#### EDR RECORDS SERVICES, INC.

**RECORDS PERTAIN TO: Hercules Marine Services Corporation** 

**RECORDS FROM: Texas Natural Resource Conservation Commission** 

**TYPE OF RECORDS: Investigation Records** 

**CAUSE NO.: 96-G0201** 

#### **DELIVER TO:**

William J. Eggleston
Taylor & Eggleston
4800 Three Allen Center 333 Clay Street
Houston, Texas 77002

## **COPY**

VOLUME II PAGES 208 TO 370

> 2437 Bay Area Blvd., Ste. 228 Houston, Texas 77058 (281) 486-5531 \* 800-876-3901

VIOLATIONS RECORDS

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## **VIOLATION VIOLATION FOLLOW-UP**

DISTRIBUTION: White - Region/Local Program Canary - Data Entry/Region Pink - Investigator/Data Entry

## THRCC INVESTIGATION/VIOLATION FORM

& 1/6/98

_	Boldraced Items are required)	116170
1	Account Number B 0 18 V Account Name Hercules Mount Date of Investigation (as MMDDYY) 2 3 8 Off Hours: Yes No Investigator Staffcode Permit(s)  Primary Investigator Juriscode 1 20 Other Juriscode 1 Other Juriscode 2	i i
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NRCC	-0201 (06-20-94) Screen ID: IV1,	IVI1, VL1 Page of

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## **VIOLATION VIOLATION FOLLOW-UP**

DISTRIBUTION: White - Region/Local Program Canary - Data Entry/Region Pink - Investigator/Data Entry

# TNRCC INVESTIGATION/VIOLATION FORM

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L	Analysis Review Results (C,N,U) Permits(s) Retest Required: Yes No
	Investigation Number Related Previous Investigation Number
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	oved by Date 4/8/18
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•		VIOLATION STORE Canary - Data Folse/Region Pink - Investigator Data Entry
		TNRCC INVESTIGATION/VIOLATION FORM (Boldfaced items are required)
·	1	Account Number B ( 0 1 8 V Account Name Hacules Maine Services (or page of Investigation (as MMDDYY) D (e 169) Off Hours: Yes No Investigator Staffcode KEO Permit(s)  Primary Investigator Juriscode 120 Other Juriscode 1 Other Juriscode 2 Site Name/Location 906 Malin Sufside  Person Contacted/Phone Timmy Tacks 409 233-63
	2	Investigation Number
	3.	Investigation Number Related Previous Investigation Number Federal Program: Yes No NSPS: Yes No NESHAP: Yes No Situation Number (COMPLIANCE DE ONLY)  Investigation Type In-House Investigation: Yes No No PPN P. 1997  Comment
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# Texas Natural Resource Conservation Commission NTEROFFICE MEMORANDUM

		VAD
TO:	Jeanne Philquist, Manager Air Section, Enforcement Division,	
FROM:	Karen Atkinson Acting Air Program Manager, Hous	to <b>n</b>
SUBJECT:	NOV Resolution Sheet	
DATE: June	16, 1997	•
Investigation Date of NOV Date NOV Re Response Due	e: Hercules Marine Services Corp Date: December 5, 1996 Letter: March 13, 1997 eceived: March 18, 1997 e: March 28, 1997 February 27, 1997	Account No. BL0118V Violation(s) I15.421(a)(9)(A)  Investigator REO1 Response Received May 29, 1997 Complaint # (If applicable)
	ED "VERBAL" VIOLATIONS:	
Violations.	:erbal Notification	Resolved Date
Date of ve	itoai ivocincation	Kesoived Bate
<u> </u>		
	NDED ACTION FOR VIOLATIONS	
Agreed Or	der Only der w/Admin. Penalty	nformal Enforcement Action Legal Action
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	RESOLUTION METHOD FOR VIC	Permit Issued :
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x Letter from		Qualifies for Standard Exemption
	lum Indicating Resolution	Sampling Indicates Resolution
	Telephone Call (ROTC)	Sumpting indicates resolution
Ê∩DMAL DE	ESOLUTION:	
	No.;	Order Date:
Court Order N	lo.:	Order Date: Penalty Amount:
Comments: Pa		any indicate compliance with Regulation V surface coatin
	Air Program Manager: Se Date: U	25/47 Suday forka

#### RECORD OF TELEPHONE CALL

DATE: June 10, 1997 11:00 a.m. TIME:

PERSON MAKING CALL: Becky Ohler

COMPANY: TNRCC

PHONE: X3731 CITY: Houston

PERSON RECEIVING CALL: Jimmy Jackson COMPANY: Hercules Marine Services

PHONE: 409 233-6371

CITY: Surfside

SUBJECT: Resolution of 115.421 NOV dated 3/13/97

Account Number: BL-0118-V

SUMMARY: On May 29, 1997 a response letter to the NOV dated March 13, 1997 was received by fax at the Region 12 office. The reponse was not sufficient to document the facility had attained compliance within 30 days of the date of the NOV. On June 10, 1997 I contacted Mr. Jackson, Plant Manager, and requested he fax me the painting records for the facility since the date of the NOV. These were received the same day and showed painting occurred between April 21, 1997 and May 4, 1997. On June 16, 1997 I contacted Mr. Jackson who confirmed that no painting had occurred between March 13, 1997 and April 21, 1997.

The records received by fax indicate the facility is in compliance with Rule 115.421(a)(9)(A), but they also indicate that Hercules is now keeping the painting emissions below 3.0 lbs of VOC/hour and are therefore exempt from compliance with 115.421. The violation can be resolved based on this response by the company.

TELEPHONE: (713) 651-0600	134	S & HARRISON, P.C. ATTORNEYS AT LAW DI MCKINNEY, SUITE 3200 USTON, TEXAS 77010-3033	TELECOP! (713) 651-1
	TELECOP'	Y TRANSMITTAL LETTER	
Date:	May 29, 1997	Matter No.: 970318	
To:	Karen Atkinson	Company: TNRCC	at the second second
Telecopy No.:	(713) 767-3761	Telephone No.:	
cc:			
To:	Becky Ohler	Company: TNRCC	
Telecopy No.:	. (713) 767-3761	Telephone No.:	
From:	Bryan A. Domning	7.6	

Our File No. 970318

NUMBER OF PAGES, INCLUDING THIS COVER LETTER: IF TRANSMISSION IS NOT COMPLETE, PLEASE CALL (713) 651-0600, Ext. \_\_\_\_ Date: \_\_\_\_\_\_ Time:\_\_\_\_\_ Sent by: \_\_\_\_\_ ORIGINAL TO FOLLOW BY: MAIL XXXXX FED EX OTHER \_\_\_\_\_

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GEORGE W. RENAUDIN
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EDWARD D. BURBACH
GEORGIA L. CLAPPER

ATTORNEYS AT LAW
1301 McKINNEY, SUITE 3200
HOUSTON, TEXAS 77010-3033
(713) 681-0600
HOUSTON FACSIMILE (713) 651-1844

AUSTIN OFFICE:

100 CONGRESS AVENUE, SUITÉ 1950 AUSTIN, TEXAS 78701 (512) 460-0760 AUSTIN FACSIMILE (512) 496-6022

May 29, 1997

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GEORGE M. LUGRIN, IV
L. ROBERT HORA
CATHERINE N. FULLER

970318.

Via Facsimile (713) 767-3761
and Certified Mail/Return Receipt Requested
Ms. Karen Atkinson
Air Program Manager, Region 12
Texas Natural Resource Conservation Commission
5425 Polk Avenue, Suite H
Houston, Texas 77023-1423

Re: Hercules Marine Services Corporation's Response to Violation TNRCC Air Count No. BL-0118-V Our File No. 970318

Dear Ms. Atkinson:

This will acknowledge receipt of your letter of March 13, 1997 regarding the Notice of Violation ("NOV") resulting from the fiscal year 1997 State Implementation Plan inspection on the premises of Hercules Marine Services Corporation ("HMSC") Freeport, Texas facility on or about December 5, 1996. HMSC appreciates the opportunity to respond in writing to this Notice. HMSC would also like to take this opportunity to confirm that immediately following the December inspection, it modified its painting procedures to conform to what it then understood to be the applicable volatile organic compound ("VOC") emission limitations standards of TNRCC Regulation V. That process is ongoing and will result in full compliance.

#### Notice of Violation

The NOV states that HMSC has violated VOC emissions standards by employing zinc paint when painting parts of offshore structures using paint with a 4.93 pounds per gallon VOC content, exceeding the 3.5 pounds per gallon limit specified by 30 T.A.C. § 115.421.

#### Discussion

Since the December 5, 1996 inspection by Rebecca Ohler, HMSC has taken steps to achieve compliance with what it now understands to be the applicable VOC regulations. A review of some history is probably appropriate to place this issue in context. HMSC had previously relied

Sent by: GRIGGS & MARRISON 715-00 15-, 05/ M; M; Mgg

Ms. Karen Atkinson May 29, 1997 Page 2

on the Standard Exemption 75 provisions which allowed up to 6 pounds per hour of VOC emissions. In a letter dated April 4, 1996 (copy attached), Carol Harkins of TNRCC discussed the facility's obligation to comply with the requirements of Standard Exemption 75 and noted the inapplicability of TNRCC surface coating regulations to the painting of marine vessels. Prior to that time, HMSC did not realize that the surface coating regulations did apply to the painting of offshore rig parts. HMSC was in compliance with that standard. HMSC was not aware at that time, nor was it clear from Ms. Harkins' letter, that it was subject to the more stringent standard set forth in 30 TAC 115.421(a)(9)(A)(iii). After this standard was explained by TNRCC, HMSC altered its painting operations to attempt to comply with the applicable regulations. While, as the attached records demonstrate, HMSC has not always been in full compliance with the emissions requirements, those incidents when VOC limits were exceeded are de minimis, and largely the result of a lack of available suitable extreme performance coating materials with appropriately low VOC content and a lack of clear understanding of the regulations. HMSC is continuing its efforts to locate suitable substitute paints to reduce the average VOC level of its extreme conditions coatings and, with expert assistance, to develop alternative painting schemes to ensure that its coatings contain less than the mandated average of 3.5 pounds of VOC per gallon. You will also note that, in some instances, HMSC's coating applications fall within the exemption contained at 30 TAC § 115.427(a)(3)(A) in that the surface coating operations emit a combined weight of VOC less than 3 pounds per hour and 15 pounds in any consecutive 24-hour period. Significantly, HMSC has not gained any economic advantage due to the de minimis noncompliance.

HMSC's confusion has stemmed, in part, from the somewhat confusing relationship between TNRCC standards which measure compliance on the basis of pounds of VOC per hour versus pounds of VOC per gallon. It is now HMSC's understanding that, in order to fully comply with Reg. V requirements as set forth in the NOV, records must be kept which reflect paint usage on a pounds of VOC per gallon basis in order to document compliance. HMSC further understands that, for purposes of determining whether it falls within the §115.427(a)(3)(A) exemption, it must also keep track of the number of hours that paints are applied. Candidly speaking, it had not previously been clear to the former HMSC facility manager that the four-hour averaging procedure outlined in Standard Exemption 75 did not continue to apply in the application of Regulation V standards.

In brief, HMSC believes it is now fully cognizant of the manner in which VOC emissions are calculated and has developed an applications procedure designed to ensure that VOC emissions remain within applicable limits. Furthermore, a new facility manager has recently assumed responsibility in Freeport and HMSC is confident that full compliance will be maintained.

HMSC continues to understand that the coating of the exterior of marine vessels is exempt from the regulations pursuant to § 115.427(a)(1)(C). Further, HMSC understands that it is

Sent by: On 1968 - ARR - 8 - 713- 19-, 05/ PM; - x # Pag 8 -

Ms. Karen Atkinson May 29, 1997 Page 3

TNRCC's position that the coating of metal parts of oil rigs at the HMSC facility does not fall within this exemption.

#### Conclusion

Given both the relatively minimal levels of excessive emissions and the unintentional nature of same, and in light of HMSC's prompt compliance efforts with applicable standards once this procedure was clarified, HMSC does not believe that a formal agreed order is necessary at this time. HMSC continues to place a high priority on regulatory compliance and is actively taking steps to ensure that it will remain in full compliance on these issues. HMSC welcomes TNRCC's assistance in developing procedures to ensure continued compliance.

If we can be of further assistance or can provide additional information necessary for the Commission to finalize this matter, please advise us.

Very truly yours,

Bryan A. Domning

Bruge a. D

cc: <u>Via Facsimile (713) 767-3761</u>

Ms. Becky Ohler
Texas Natural Resource Conservation
5425 Polk, Suite H
Houston, Texas 77023-1423

Mr. Tom Seward II Mr. Bruce Stanfill Mr. John Eldridge



# FAX TRANSMITTAL

DATE :	April 4, 1996	NUMBER OF PAGES (including this cover sheet):
TO:	Name	Larry Ballinger
	Organization	Hercules
	FAX Number	409/233-6375
FROM:	TEXAS NATURAL F	ESOURCE CONSERVATION COMMISSION
	Name	Carol Harkins
	Division/Region	Air Program/Region 12
	Telephone Number	713/767-3734
	FAX Number	713/767-3761

#### NOTES:

#### LATY:

In response to the investigation conducted on 3/28/96, I'm sending you the applicable Standard Exemption (S.E.) information for your facility as we discussed.

For sandblasting you are authorized under S.E. 102 for the year 1989 and it appears that your facility is in compliance with this exemption. In 1989 a Notice of Violation was issued for causing a sandblasting nuisance. The response letter sent by Hercules is enclosed and states that no blasting will occur with an easterly wind. Please be aware that you are bound to this agreement.

For surface coating you are authorized under S.E. 75 for the year 1989. As we discussed, your current recordkeeping procedures are not kept in sufficient detail to determine compliance with the 6.0 lb/hr VOC emission limit. From the information you provided, it appears that you are in compliance with the emission limits, however, the actual hours of painting are required in order to fully make this determination. An example of the required calculations is provided for your reference. If you have any questions, feel free to call me. The next time an investigator comes to your facility, these records will be reviewed for accuracy. You are not required to re-calculate the Jan. - Mar. records for this year, but to implement the more detailed recordkeeping procedures upon receipt of this fax.

Regarding Regulation V, the surface coating of marine vessels is exempt from the control requirements of 115.421(a)(9) in accordance with 115.427(a)(1)(C).

Sample calculations for S.E. 75 using the epoxy primer coating MSDS you provided:

Date	Times	Coating	lb. voc/gal	gal_used	Total_voc	xoc/hr
4/2/96	9-11	primer	2.8	6	16.8	8.4
4/2/96	1-2	primer	2.8	1.5	4.2	4.2
4/2/96	2:30-4	primer	2.8	2.5	7	4.6

A mixed coating with 2.8 lb. voc/gal. means that you can use about 2 gal. of costing per/hr. This would emit 5.6 lb. voc/hr. keeping you under the 6.0 limit. Actual usage must then be averaged over a 4 hr. period. So you can use up to 8 gal. over any 4 hrs. or 8 gal. in the first hour without painting again for at least another 3 hrs. The voc emissions per unit of time are required to determine compliance, therefore, the exact hours and amounts must be recorded. Based on this example, using three different 4 hr. time periods, compliance is demonstrated as follows:

From 9-1, total voc emissions were 16.8. 16.8 lb. voc/4 hrs. = 4.2 lb. voc/hr., which is below the 6.0 lb./hr. limit.

From 1-5, total emission were 7+4.2 = 11.2, 11.2/4 hrs. = 2.8 lb. voc/nr.

From 10-2, total emissions were 4.2 (from 1-2)+8.4 (from 10-11) = 12.6. 12.6/4 = 3.15 lb. voc/hr.

Any 4 hour period average is below the 6.0 lb./hr. limit showing compliance with the S.E. Additionally, add together the total pounds of voc emitted per week to show that you are below the 500 lbs. per week limit.

Sincerely,

Carol Harkins

Seme by:GGSARR
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Hercules Marine Services
Fiscal Year 1997 State Implementation Plan Inspection, December 5, 1996

## Summary of Outstanding Alleged Violations

Standard Exemption 75(e)
Hercules Marine Services conducts surface coating of parts of offshore structures. Hercules applies a primer or protective coating to these metal parts and is required by this rule to use a coating with a maximum voc content of 3.5 pounds per gallon under 115.421(a) (9) (A) (iii). The VOC content of the zinc paint used on the offshore equipment is 4.93 lbs/gallon, in violation of Rule 115.421(a) (9) (A) (iv). In addition, this also constitutes a violation of Standard Exemption 75(e) which requires compliance with applicable Regulation V requirements, in violation of 30 TAC 116.115.

Texas Air Control Board Standard Exemption List. August 11, 1989

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- All permanent in-plant roads shall be watered, ciled, or payed and cleaned as necessary to achieve maximum control of dust emissions.
- (e) The plant is located at least 4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.
- Before construction of the facility begins, written site (£) approval shall be received from the Executive Director of the TACB and the facility shall be registered with Form PI-7 including a current Table 22.
- Emissions of particulate matter, sulfur dioxide, or **(g)** organic compounds shall not exceed 25 tons per year each.
- 100. Metering, purging, and maintenance operations for gaseous and liquid petroleum pipelines (including ethylene, propylene, butylene, and butadiene pipelines) provided that operations are conducted according to the following conditions:
  - All emissions, except fugitive emissions, are burned in (a) a smokeless flare, or
  - Total emissions of any air contaminant will not exceed one ton during any metering, purging, or maintenance operation.
- Any air separation, or other industrial gas production, stor-101. age, or packaging facility. Industrial gases, for purposes of this exemption, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
- 102. Any abrasive cleaning operation that will satisfy condition (a) or (b):
  - Enclosed abrasive cleaning: (4)
    - (1)The particulate matter emissions are evacuated through a fabric filter with a maximum filtering velocity of 4 feet per minute (fpm) with mechanical cleaning or 7 fpm with air cleaning; and

Texas Air Control Board Standard Exemption List August 11, 1989 Page 47 of 68

(2) There are no visible fugitive emissions from the facility.

### (b) Outside blast cleaning:

- (1) Abrasive usage rate shall not exceed 150 tons per year, 15 tons per month, and 1 ton per day; and
- (2) The blast cleaning is performed at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located; and
- (3) Records shall be maintained of operating hours and abrasive material usage; and
- (4) Before construction begins the facility is registered with the appropriate Regional Office using form PI-7; and
- (5) Before construction of the facility begins, written site approval shall be received from the Executive Director of the Texas Air Control Board.
- 103. Refrigeration systems, including storage tanks used in refrigeration systems.
- 104. Surface coating operations utilizing powder coating materials with the powder applied by an electrostatic powder apray gun or an electrostatic fluidized bed.
- 105. Woodworking shops which satisfy one of the following conditions:
  - (a) Commercial woodworking shops with a sawdust collection system exhausting to:
    - (1) a fabric or cartridge filter with air cleaning and a filtering velocity no greater than 7.0 feet per minute (ft/min), or automatic sequenced mechanical cleaning and a filtering velocity no greater than 5.0 ft/min. The filter unit may vent back into the process building or to the atmosphere.

Sent by GGS-HAR Pag 71 1 1 05 PM; Pag 718

Texas Air Control Board Standard Exemption List August 11, 1989

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(4) Written site approval shall be received from the Executive Director of the TACB before construction begins for facilities utilizing existing grain receiving facilities when new gravity or auger loadout systems are to be installed.

75.) Surface coating familities in which no metal spraying or metalizing is done, if the total emission of volatile organic compounds (VOC) used for cleanup and contained in the coating materials as applied is less than 6.0 pounds per hour (lb/hr), averaged over any 4-hour period, and 500 pounds per week, and:

- (a) The surface coating operations are performed indoors or in an enclosed work area and the following conditions apply:
  - (1) If the facility is a spraying operation, all spraying is conducted in a spray booth or work area in which the emissions of particulate matter are controlled by either a water wash system or a dry filter system. For either system, the particulate removal efficiency shall be not less than 90 percent; and:
    - (A) The average velocity of ventilating air through the spray booth or work area shall be at least 100 feet per minute (ft/min), with a minimum face velocity at the opening of 50 ft/min, and
    - (B) The face velocity at the filter media shall not exceed 250 ft/min or that specified by the filter media manufacturer.
  - (2) Surface coating operations may include drying or curing ovens which accelerate the release of VOC from the coatings applied by using facilities covered under this standard exemption, provided that there is no increase in the total emission of VOC from the applied coatings, and the drying or curing ovens meet the following conditions, if not electrically heated:
    - (A) The maximum heat input to any oven shall not exceed 40 million British thermal units per hour (Btu/hr), and

Texas Air Control Board Standard Exemption List August 11, 1989 Page 24 of 68

- (4) No spraying is conducted less than 50 feet from the "property line.
- (5) Before construction begins, the facility is registered with the appropriate Regional Office using form PI-7.
- (6) Before construction of the facility begins, written site approval shall be received from the Executive Director of the Texas Air Control Board and any local air pollution control program having jurisdiction in the area.
- (d) Records of hours of operation and the usage of coating materials and any solvents used for thinning and/or cleanup shall be maintained in sufficient detail to demonstrate compliance with this standard exemption. Records shall be maintained on a rolling 2-year retention period.
- (e) The applicable requirements of Regulation V, concerning general vent gas streams and surface coatings, shall be satisfied.
- 75. Any new or modified pilot plant, provided that the following conditions are satisfied:
  - (a) The facility does not emit any chemical having a health threshold limit value of less than one part per million by volume as specified by the Occupational Safety and Health Administration (OSHA) or the American Conference of Governmental Industrial Hygienists (ACGIH). This exemption does not apply to pilot plants using chemicals for which an OSHA or ACGIH threshold limit does not exist.
  - (b) The facility emits less than one pound per hour of any air contaminant.
  - (c) The plant is located at least 4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.
  - (d) The facility is constructed and operated only for the purpose of:

	•		
115.421 (A)			
· ~			
(9) Miscellan	eous meni p	arts and produ	ets coating.
	•		

(A) VOC emissions from the coating of miscellaneous metal parts and products shall not exceed the following limits for each surface coating type:

05[

- (i) 4.3 pounds per gallon (0.52 kg/liter) of coating (minus water and exempt solvent) delivered to the application system as a clear coat; or as an interior protective coating for pails and drums;
- (ii) 3.5 pounds per gallon (0.42 kg/liter) of coating (minus water and exempt solvent) delivered to the application system as a low-bake coating; or that utilizes air or forced air driers:
- (iii) 3.5 pounds per gallon (0.42 kg/liter) of coating (minus water and exempt solvent) delivered to the application system as an extreme performance coating, including chemical milling maskants;
- (iv) 3.0 pounds per gallon (0.36 kg/liter) of coating (minus water and exempt solvent) delivered to the application system for all other coating applications, including high-bake coatings, that pertain to miscellaneous metal parts and products; and
- (v) 3.5 pounds per gallon (0.42 kg/liver) of coating (minus water and exempt solvent) delivered to the application system as a prime coat for the exterior of sirgraft.
- (B) If more than one emission limitation in subperagraph (A) of this paragraph applies to a specific coating, then the least stringent emission limitation shall apply.
- (C) All VOC emissions from non-exempt solvent washings shall be included in determination of compliance with the emission limitations in subparagraph (A) of this paragraph unless the solvent is directed into containers that prevent evaporation into the atmosphere.

Texas Natural Resource Conservation Commission Chapter 115 - Control of Air Pollution From Volatile Organic Compounds
(a) For the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso, and Houston/Galveston areas, the following exemptions shall apply:
(1) The following coating operations are exempt from the application of §115.421(a)(9) of this title (relating to Emission Specifications):
(A) exterior of fully assembled aircraft, except as required by §115.421(a)(9)(A)(v) of this title;
(E) vehicle refinishing (body shops), except as required by §115.421(a)(8)(B) and (C) of this title;
(C) exterior of fully assembled marine vessels; and
(D) exterior of fully assembled fixed offshore structures.
(2) The following coating operations are exempt from the application of §115.421(a)(10) of this title:
(A) the manufacture of exterior siding;
(B) tile board; or
(C) particle board used as a furniture component.
(3) The following exemptions shall apply to surface coating operations, except for aircraft prime coating controlled by §115.421(a)(9)(A)(v) of this title and vehicle refinishing (body shops) controlled by §115.421(a)(8)(B) and (C) of this title.
(A) Surface coating operations on a property which, when uncontrolled, will emit a combined weight of VOC of less than 3 pounds per hour and 15 pounds in any consecutive 24-hour period shall be exempt from the provisions of §115.421(a) of this title and §115.423(a) of this title (relating to Alternate Control Requirements).
(B) Surface costing operations on a property which, when uncontrolled, will emit a combined weight of VOC of less than 100 pounds in any consecutive 24-hour period shall be exempt from the provisions of §115.421(a) and §115.423(a) if documentation is provided to and approved by both the Executive Director of the Texas Natural Resource Conservation Commission and the United States Environmental Protection Agency to demonstrate that necessary coating performance criteria cannot be achieved with coating which satisfy applicable emission specifications and that control equipment is not technically or economically feasible.
(C) Mirror backing costing operations located on a property which, when uncontrolled, emit a combined weight of VOC less than 25 tons in one year (based on historical coating

Sent by: GGS\_\_\_ARR \_\_\_\_\_ 71 \_\_\_ 1 \_\_\_\_ 05/\_\_\_ PM; \_\_\_\_ #[\_\_Pag\_\_\_\_/18 \_\_\_

JOB#	T	COAT	ING USUAGE	LOUS			
DATE	TIME	COATING	LB VOC/GAL	GAL USED	TOTAL VOC	VOCAHR,	WIND DIRECTION
5-13-97	10: - 12:	Primor 1 Conting-1	3,65	Z	6.75	3,38	THE DIVECTION
5-16-97	81-12	Primar 2.	3.65	4	13.5	J. 3 P	<del></del>
5-16-97	12:30 - 6:30	Promon 1 Contine 1	3.65	2	6-75	1.13	
5-17-97	81-1:30	Primar- L. Contene- L	3.65	4	13.5	2.70	
5-18-97	11:30-5100	Primer 2 Constignit	3.65	4	13.5	3.38	1
5-19-93	7:00-3:30	Contine	3.65	8	24.8	3./	
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JOB# K	ic 3	COAT	ING USUAGE	LOGS			
DATE	TIME	COATING	LB VOC/GAL	GAL USED	TOTAL VOC	VOC/HR.	WIND DIRECTION
4/21/57	11-6	PRIMER		4-7	19.09	2.75	
4/22/57	105	Primer		2-3	19.09	2.75	
4/23/57	10-5	PRINCE		1/2	12,75	1.83	
4/24/87	11-4	PRI man		1/2	12.75	1.83	
4/28/97	11-6	Phomen Contine		2,2	19.19	2.75	
4/26/57	11-6	primer Contino		2 2	19.15	2.75	
5/1/57	11-6	PRIMER		12	19.19	2.75	
5/2/57	11-6	PRIMER		2	19.19	2.75	
5/3/57	10-5	The said		1/2	19.19	2.75	
5/4/57	10-5.30	Tremon		1 2	19.19	2,75	
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JOB #		· <u>·······</u>	COAT	ING USUAGE	Logs			
DATE	TIME	COATING	PRODUCT CODE	LB VOCIGAL	GAL USED	TOTAL VOC	VOCHR.	WIND DIRECTION
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3-28-97	8-11:30							
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COATING USUAGE LOGS

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DATE	TIME	COATING	LB VOC/GAL	GAL USED	TOTAL VOC	VOC/HR.	WIND DIRECTION
2/21/97	1-6	2:22	4,93	3	14.79	2,94	5W
2/24/17	1-6.	2inc	4.93	3	14.79	2.96	5 W
2/86/97	1-6	Zinc	4.93	3	14.79	2.96	$\mathcal{S}$
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3/19/97	2-5	Zinc	4.93	_2	9.86	3.28	nen
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JOB#		COAT	ING USUAGE	1.00S			
DATE	TIME	COATING	LB VOC/GAL	GAL USED	TOTAL VOC	VOCMR.	WIND DIRECTION
2-17-97	1/-5		3.2	3	9.6	1.6	SES
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P. O. Drawer O Freeport, TX 77541 (408) 233-6371 (408) 233-6375 tax

Hercules Marine Services Corporation



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DATE	TIME	COATING	LB VOC/GAL	GAL USED	TOTAL VOC	VOC/HR.	WIND DIRECTION
4/21/52	11-6	PRIME		2	19.09	2,75	
4/22/57	10-5	Punch		2-5	19.19	2.75	
1/23/57	10-5	PAPPER Gesting		1/2	12.75	1.83	
1/24/57	11-4	1 Ryman Ochtons		1/2	12,75	1.83	
1/28/57	11-6	Offinea Charters		2, 2	19.19	2.75	
1/25/57	11-6	PAINER		2/2	19.19	2.75	
5/1/57	11-6	PRIMER		12	19.15	2.75	
5/2/57	11-6	PAMER PONTER		2	19.19	2.75	
5/3/57	10-5	Paint		2/2	19.19	2,75	-
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Barry R. McBee, Chairman R. B. "Ralph" Marquez, Commissioner John M. Baker, Commissioner Dan Pearson, Executive Director



#### TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

June 16, 1997

#### CERTIFIED MAIL Z 359 976 720 RETURN RECEIPT REQUESTED

Mr. Jimmy Jackson.
Manager
Hercules Marine Services Corporation
Post Office Drawer O
Freeport, Texas 77541

Re: NOTICE OF VIOLATION
TNRCC Air Account No. BL-0118-V

Dear Mr. Jackson:

On May 5, 1997 Ms. Rebecca Ohler and Ms. Faye Liu of the Texas Natural Resource Conservation Commission (TNRCC) conducted an inspection of the above named facility located at 906 Marlin in Freeport, Brazona County. The inspection was conducted to determine the facility's compliance with applicable air quality laws and regulations. During the inspection the inspectors observed and documented conditions that we believe constitute violations of the applicable requirements, as is explained in this letter and the attached summary.

The TNRCC recognizes that the great majority of the regulated community wants to prevent pollution and to comply with environmental laws. The agency looks forward to working with you to resolve these matters. We ask that you respond in writing with your proposed schedule for corrective action, and that you do so no later than 10 calendar days from the date of receipt of this letter. You may also include any explanation or offer any additional information you wish the agency to consider. We also ask that you advise us of any corrective action which you have already under taken. If you are unable to achieve compliance within 30 days of receipt of this letter, the Texas Clean Air Act requires that we initiate formal enforcement action. The Commission's enforcement obligations and alternatives are more fully explained in the enclosed "Enforcement Related Provisions of the Texas Clean Air Act" and "Formal Enforcement Options." Please be aware that you must be in compliance within 180 days of the date of this notice.

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Mr. Jimmy Jackson Page 2

June 16, 1997

We appreciate meeting with you on May 13, 1997. The letter which was requested at that time may serve also as the letter mentioned above. If you feel that an additional letter or meeting is desirable please inform us of this.

By this letter we also wish to confirm that the referenced violation is being referred to our Central Office Compliance Section. That section will determine, (in accordance with requirements of the Texas Clean Air Act and the Texas Natural Resource Conservation Commission's "Guidelines on Compliance and Enforcement Matters,") whether, and in what form, formal enforcement action will be pursued. Formal action may include the development of an Agreed Order with or without administrative penalties, or referral to the Texas Attorney General's Office for litigation. Alternatively, we may conduct an administrative enforcement hearing on the facts of the violation, corrective action and/or the amount of the penalty. Upon completion of analysis and review, the Compliance Section will advise you by letter of the disposition of the case.

As previously mentioned, we have attached to this letter a summary of alleged violations, citing the applicable TNRCC rules. If you would like to obtain a copy of Chapter 70 or any other TNRCC rules, you may contact any of the sources listed in the enclosed brochure entitled "Obtaining TNRCC Rules."

If you have any questions regarding these matters, please contact Rebecca Ohler at (713) 767-3731.

Sincerely,

Karen Atkinson

Acting Air Program Manager, Region 12

KA/REO/lqg

Enclosures:

TNRCC Rule, 30 TAC 115.542(b)(1)

"Enforcement Related Provisions of the Texas Clean Air Act"

"Formal Enforcement Options"

"Obtaining TNRCC Rules"

CC:

Mr. John R. Eldridge, Attorney At Law, Hutcheson & Grundy, L.L. P., 1200 Smith, Suite

3300, Houston, Texas 77002-4579

bcc:

Ms. Jeanne Philquist, Manager, Air Section, Enforcement Division, TNRCC

LP/NOV/board,file

# Hercules Marine Services Complaint Investigation Conducted May 5, 1997

#### Summary of Outstanding Alleged Violations

#### 1. 30 TAC 115.542(b)(1) Control Requirements

For all persons in the Beaumont/Port Arthur and Houston/Galveston areas, the following control requirements shall apply to marine vessels:

(1) No person shall permit the degassing or cleaning of a marine vessel containing VOCs unless the vapors are processed by a vapor control system.

The Emissions Specifications found in 30 TAC 115.541(b)(1) state:

- (b) For all persons in the Beaumont/Port Arthur and Houston/Galveston area, the following emission specifications shall apply to degassing during or in preparation of cleaning for all marine vessels...which have a nominal storage capacity of 10,000 barrels or more and contain VOCs.
  - (1) No person shall degas or clean a tank that carried a VOC with a vapor partial pressure greater than or equal to 0.5 pounds per square inch absolute unless the vapors are processed by a vapor control system.

Hercules Marine Services cleaned barges with a nominal capacity of 10,000 barrels on the following dates which contained cyclohexane, a product with a vapor pressure of 1.83 psia:

BARGE NUMBER	MATERIAL IN BARGE
ETT110	CYCLOHEXANE
ETT115	CYCLOHEXANE
ETT113	CYCLOHEXANE
ETT114	CYCLOHEXANE
ETT112	CYCLOHEXANE
ETT112	CYCLOHEXANE
ETT113	CYCLOHEXANE
ETT112	CYCLOHEXANE
	ETT110 ETT115 ETT113 ETT114 ETT112 ETT112 ETT113

#### 2. 30 TAC 116.110(a)

Loading of Anolon occurred at Hercules on March 7, 1997. This activity is not authorized by any existing permit at this facility and has not been documented to meet the emissions limits of a Standard Exemption.

#### ATTACHMENT A

#### INFORMATION CONTAINED IN HERCULES FILES ON MAY 5, 1997

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/5/97	ETT115	CAPROLACTAM
2/9/97	ETT110	N-BUTANOL
2/12/97	ETT112	N-BUTANOL
2/18/97	ETT115	N-BUTANOL
2/22/97	ETT113	N-BUTANOL
3/3/97	ETT115	N-BUTANOL
3/4/97	ETT110	CAPROLACTAM
3/6/97	ETT114	N-BUTANOL
3/6/97	ETT112	ANOLON
3/24/97	ETT112	ANOLON
3/27/97	ETT115	N-BUTANOL
4/17/97	ETT110	ANOLON
4/20/97	ETT112	N-BUTANOL
4/23/97	ETT113	N-BUTANOL
4/27/97	ETT112	N-BUTANOL
4/28/97	ETTI13	ANOLON

#### ATTACHMENT B

# INFORMATION PROVIDED BY BASE CONCERNING MATERIALS IN BARGES DELIVERED TO HERCULES FOR CLEANING

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/5/97	ETT115	CAPROLACTAM
2/9/97	ETT110	CYCLOHEXANE
2/12/97	ETT112	N-BUTANOL
2/18/97	ETT115	CYCLOHEXANE
2/22/97	ETT113	CYCLOHEXANE
3/3/97	ETT115	N-BUTANOL
3/4/97	ETT110	CAPROLACTAM
3/6/97	ETT114	CYCLOHEXANE
3/6/97	ETT112	CYCLOHEXANE
3/24/97	ETT112	ANOLON
3/27/97	ETT115	N-BUTANOL
4/17/97	ETT110	ANOLON
4/20/97	ETT112	CYCLOHEXANE
4/23/97	ETT113	CYCLOHEXANE
4/27/97	ETT112	CYCLOHEXANE
4/28/97	ETT113	ANOLON

# ATTACHMENT C DOCUMENTATION COPIED FROM HERCULES FILES ON MAY 7, 1997 WHICH IDENTIFIES THE MATERIAL IN THE BARGES BEING CLEANED

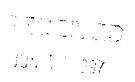
#### ATTACHMENT D

DOCUMENTATION PROVIDED BY BASE CORPORATION ON MAY 7, 1997 CONCERNING THE MATERIAL IN THE BARGES DELIVERED TO HERCULES TO BE CLEANED. THIS INCLUDES ONLY THE DATES WHICH DISAGREE WITH HERCULES FILES

(Ms. Suzette Johnson explained the system used in the enclosed files. Any barge which shows either Citgo, Phillips, Koch, Huntsman, or Chevron contain cyclohexane. Also, any barge which is put in for a "strip and blow dry" also contained cyclohexane. Some of the entries specifically identify the cargo as cyclohexane.)

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	Account Number BLO118V Account Name Hercules Marine Services
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Investigative Comments Hercules Marine Services Corp. Freeport, Brazoria County



05/05/97 BL-0118-V Page 1

<u>Purpose:</u> Complaints 129700791, received April 14, 1997, and 129700798, received April 28, 1997, allege Hercules Marine Services in Freeport, Brazoria County, has cleaned barges with out the vapor controls required by Regulation V. The Emissions Specifications found in 30 TAC 115.541(b)(1) state:

- (b) For all persons in the Beaumont/Port Arthur and Houston/Galveston area, the following emission specifications shall apply to degassing during or in preparation of cleaning for all marine vessels...which have a nominal storage capacity of 10,000 barrels or more and contain VOCs.
  - (1) No person shall degas or clean a tank that carried a VOC with a vapor partial pressure greater than or equal to 0.5 pounds per square inch absolute unless the vapors are processed by a vapor control system.

Both complainants provided barge identification numbers and dates when barges were worked on. The dates were in February and April 1997. The barges which were identified belong to BASF Corporation also located in the Freeport area.

Investigative Findings: On May 5, 1997 TNRCC investigators Faye Liu and Rebecca Ohler investigated the above complaints. At 10:30 a.m. Ms. Ohler and Ms. Liu arrived at Hercules Marine Services and met with Mr. Larry Ballinger, Plant Manager. The purpose of the visit was explained to Mr. Ballinger and the investigators requested to review the barge cleaning records for February, March, and April 1997. Mr. Ballinger first produced the "Job Book" which listed all work, including barge cleaning, which had been conducted at the facility. Sixteen barge cleaning activities were identified in the Job Book. Mr. Ballinger then produced individual folders for each of the barge cleaning activities. From the folders Mr. Ballinger showed the investigators the documents which stated the material last contained in the barges which were cleaned. The dates, barge number, and compound are listed in Attachment A. All barges cleaned belong to BASF Corporation. The records which were presented to the investigators indicated that all barges had contained materials with a vapor pressure less than 0.5 psia and could, therefore, be cleaned with out vapor control equipment per the exemption from controls found in 30 TAC 115.547(a). The investigators did not obtain copies of these files at this time, but documented the contents in field notes. Copies of the documents were obtained on May 7, 1997 and are in Attachment C.

The investigators proceeded to BASF Corporation and met with Mr. L.H. Moore, Logistics Manager. The purpose of the visit was explained as a follow up to a complaint investigation which alleged Hercules was washing barges which were not allowed by Regulation V. Mr. Moore contacted Mr. Mark Hanna, Technical Service Representative, and Mr. Robert Peters, Logistics Coordinator and requested they bring the "Barge Schedule" logs and provide the investigators with the requested information. The investigators requested information on the sixteen barges which were cleaned by Hercules between February and April. The results of this request are located in Attachment B. A comparison of the lists in Attachment A and Attachment

Investigative Comments
Hercules Marine Services Corp.
Freeport, Brazoria County

05/05/97 BL-0118-V Page 2

B shows that eight barges which Hercules lists as having contained n-butanol, a compound with a vapor pressure of less than 0.5 psia, actually contained cyclohexane which has a vapor pressure of 1.83 psia. Copies of the Barge Schedule log for the eight barges were obtained on May 7, 1997 from Mr. Peter's secretary, Ms. Suzette Johnson, and are contained in Attachment D. According to Mr. Peters all of the BASF barges have a nominal capacity of 10,000 barrels.

On May 9, 1997 Mr. John Eldridge, Attorney at Law representing Hercules, contacted Ms. Ohler and requested a meeting with TNRCC. The meeting was held on May 13, 1997. At this meeting the company admitted that barges containing cyclohexane had been cleaned without the required control equipment and that there were discrepancies in the records concerning what material had been in the barges prior to cleaning. The summary of that meeting and a copy of records provided by Hercules at that meeting can be found in Attachment E.

One of the sets of documents provided at this meeting, located in Attachment F, show that loading of Anolon occurred from Montgomery Tank Line tank trucks into some type of vessel, probably a barge, at Hercules on March 7, 1997. A total of 308,540 pounds of Anolon were delivered to Hercules on March 7, 1997. This is approximately equal to 41,000 gallons. This activity is not authorized by any existing permit at this facility and due to the low Threshold Limit Value of Anolon may not be able to meet the emissions limits of either Standard Exemption 106.261 or 106.262. Hercules will be required to submit documentation concerning compliance with an applicable standard exemption. At this time it appears they are in violations of 30 TAC 116.110(a). Due to the vapor pressure of Anolon (approximately 0.04 psia) the facility is exempt from the control requirements found in 30 TAC 115.212(a) and the monitoring and recordkeeping requirements found in 115.216(a) by the exemption found at 115.217(a)(2). The facility is, however, still subject to the inspection requirements found in 115.214(a). There are no recordkeeping requirements associated with the visual inspection requirements so it is unknown at this time if the required inspections were conducted.

Conclusion: Hercules Marine Services has cleaned eight barges in a three month period which contained cyclohexane as their last cargo. Hercules does not have a vapor control system. This constitutes a violation of the control requirements found in 30 TAC 115.542(b)(1) which state: (b) For all persons in the ...Houston/Galveston areas the following control requirements shall apply to marine vessels:

(1) No person shall permit the degassing or cleaning of a marine vessel containing VOCs unless the vapors are processed by a vapor control system.

In addition, Hercules conducted loading operations on at least one date, March 7, 1997, which are not authorized by a permit and which have not been shown to comply with any Standard Exemption. Hercules will be cited for a violation of 30 TAC 116.110(a). This violation may be

Investigative Comments
Hercules Marine Services Corp.
Freeport, Brazoria County

Rebecca E. Ohl

05/05/97 BL-0118-V Page 3

rescinded if they can show compliance with an applicable standard exemption.

Mr. Jimmy Jackson, Manager, will be issued a Notice of Violation for the above cited offenses. This violation will be forwarded the Office of Compliance and Enforcement for formal enforcement action.

Rebecca E. Ohler

EQS V

Region 12

#### CONFERENCE SUMMARY

Date: May 13, 1997 Time: 1:30 p.m. Location: TNRCC Region 12

Person Conducting Meeting: Dick Flannery

Subject: Hercules Marine Services, BL-0118-V

Summary: Mr. John Eldridge, Attorney at Law with Hutcheson & Grundy, represents Hercules Marine Services. On May 12, 1997 Mr. Eldridge contacted Rebecca Ohler at TNRCC Region 12 and requested to meet with Ms. Ohler concerning two visits made by TNRCC to the Hercules facility on May 5 and 7, 1997. The meeting was set for May 13, 1997.

On May 12, 1997 Mr. Larry Ballinger, formerly the Plant Manager at Hercules, also contacted Ms. Ohler to inform her that he would also be at the meeting, but that he had resigned from Hercules. He made it clear that the attorneys who would be present did not represent him.

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Required Action: The current investigation will continue and will incorporated the information provided at this meeting.

Rebecca E. Ohler Region 12

# ATTACHMENT E ADDITIONAL DOCUMENTATION PROVIDED BY HERCULES AT THE 5/13/97 MEETING

## Hercules Marine Services Complaint Investigation Conducted May 5, 1997

#### Summary of Outstanding Alleged Violations

#### 1. 30 TAC 115.542(b)(1) Control Requirements

For all persons in the Beaumont/Port Arthur and Houston/Galveston areas, the following control requirements shall apply to marine vessels:

(1) No person shall permit the degassing or cleaning of a marine vessel containing VOCs unless the vapors are processed by a vapor control system.

The Emissions Specifications found in 30 TAC 115 541(b)(1) state:

- (b) For all persons in the Beaumont/Port Arthur and Houston/Galveston area, the following emission specifications shall apply to degassing during or in preparation of cleaning for all marine vessels...which have a nominal storage capacity of 10,000 barrels or more and contain VOCs.
  - (1) No person shall degas or clean a tank that carried a VOC with a vapor partial pressure greater than or equal to 0.5 pounds per square inch absolute unless the vapors are processed by a vapor control system.

Hercules Marine Services cleaned barges with a nominal capacity of 10,000 barrels on the following dates which contained cyclohexane, a product with a vapor pressure of 1.83 psia:

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/9/97	ETT110	CYCLOHEXANE
2/18/97	ETT115	CYCLOHEXANE
2/22/97	ETT113	CYCLOHEXANE
3/6/97	ETT114	CYCLOHEXANE
3/6/97	ETTI12	CYCLOHEXANE
4/20/97	ETT112	CYCLOHEXANE
4/23/97	ETT113	CYCLOHEXANE
4/27/97	ETT112	CYCLOHEXANE

#### 2. 30 TAC 116.110(a)

Loading of Anolon occurred at Hercules on March 7, 1997. This activity is not authorized by any existing permit at this facility and has not been documented to meet the emissions limits of a Standard Exemption.

## ATTACHMENT A INFORMATION CONTAINED IN HERCULES FILES ON MAY 5, 1997

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/5/97	ETT115	CAPROLACTAM
2/9/97	ETT110	N-BUTANOL
2/12/97	ETT112	N-BUTANOL
2/18/97	ETT115	N-BUTANOL .
2/22/97	ETT113	N-BUTANOL
3/3/97	ETT115	N-BUTANOL
3/4/97	ETT110	CAPROLACTAM
3/6/97	ETT114	N-BUTANOL
3/6/97	ETT112	ANOLON
3/24/97	ETT112	ANOLON
3/27/97	ETT115	N-BUTANOL
4/17/97	ETT110	ANOLON
4/20/97	ETT112	N-BUTANOL
4/23/97	ETT113	N-BUTANOL
4/27/97	ETT112	N-BUTANOL
4/28/97	ETT113	ANOLON

#### ATTACHMENT B

## INFORMATION PROVIDED BY BASE CONCERNING MATERIALS IN BARGES DELIVERED TO HERCULES FOR CLEANING

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/5/97	ETT115	CAPROLACTAM
2/9/9 <b>7</b>	ETT110	CYCLOHEXANE
2/12/97	ETT112	N-BUTANOL
2/18/97	ETT115	CYCLOHEXANE
2/22/97	ETT113	CYCLOHEXANE
3/3/97	ETT115	N-BUTANOL
3/4/97	ETT110	CAPROLACTAM
3/6/97	ETT114	CYCLOHEXANE
3/6/97	ETT112	CYCLOHEXANE
3/24/97	ETT112	ANOLON
3/27/97	ETT115	N-BUTANOL
4/17/97	ETT110	ANOLON
4/20/97	ETT112	CYCLOHEXANE
4/23/97	ETT113	CYCLOHEXANE
4/27/97	ETT112	CYCLOHEXANE
4/28/97	ETT113	ANOLON

#### ATTACHMENT C

DOCUMENTATION COPIED FROM HERCULES FILES ON MAY 7, 1997 WHICH IDENTIFIES THE MATERIAL IN THE BARGES BEING CLEANED

#### CONFERENCE SUMMARY

Date: May 13, 1997 Time: 1:30 p.m. Location: TNRCC Region 12

Person Conducting Meeting: Dick Flannery

Subject: Hercules Marine Services, BL-0118-V

Summary: Mr. John Eldridge, Attorney at Law with Hutcheson & Grundy, represents Hercules Marine Services. On May 12, 1997 Mr. Eldridge contacted Rebecca Ohler at TNRCC Region 12 and requested to meet with Ms. Ohler concerning two visits made by TNRCC to the Hercules facility on May 5 and 7, 1997. The meeting was set for May 13, 1997.

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ADDITIONAL DOCUMENTATION PROVIDED BY HERCULES AT THE 5/13/97 MEETING

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CLEANING INSTRUCTION BY: Robert Daters	BY:
COMPLETION SCHEDULE BY:	•
OVERTIME AUTHORIZED BY: Robert Perters	
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NOTICE	
All barges cleaned for BASF will be inspected by Cal have paperwork for the Hercules foreman in charge to two copies in the document mail box. One copy will captain of the tugboat that is picking up the barge inspection is completed and documentation is in the logistics representative must be contacted.	sign. The forman will put stay in the mailbox, and the will not be called until
Inspected 5 /17/97 1720_ Time In	<u> </u>
Time In	Time Out
Inspected By Karlei Bernell-Caleb DOETT	) <del>~</del>
NO BASE BARGE THAT HAS BEEN CLEANED WILL BE RELEASED	UNTIL CALEB BREIT HAS SIGNED

THE RELEASE PAPERS. CALEB BREIT WILL BE GIVEN A COPY OF THIS FORM.

	Intert
	Caleb I

or by suppliers of the coating.,

### tek Testing Services Brett

VISUAL TANK	INSPECTION	REPORT
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OUR REFERENCE	
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ank Number		123 center						
Fank Coating		Mild Steel						
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to clean tanks:	TK#							
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	TK#		·			_		
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transport of the cargo in question, for which the vessel is fully responsible. Suitability of tank coating for intended cargo must be guaranteed by vessel's owner

FOR CALEB BRETT



# Intertek Tosting Services Caleb Brett

YOUR REFERENCE

#### TIME LOG

VESSEL	CUSTOMER PRODUCT DESCRIPTION	PORT/TERMINAL	DATE
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FORM # 2:044:97

BASF 04/23/97



BASF 4-23-97

-- 4-5494 ETT 113 JOB WORKSCOPE/BREAKDOWN

Job Number:	4-5494	Date:	4-23-97	Invoice	Number:
Customer:	SAST	Barge	e/MV:	7/13	
Travel Time:	Hours @ \$17	.50/Hr = .	Mileage	!	@\$.25/Mi =
Foreman:	Hours	(ST) @	\$ 38.00/Hour		·
	Hours	(OT) @	\$ 53.25/Hour		
Leadman:	2,5 Hours	(ST) @	\$ 35.00/Hour		87.50
	3,0 Hours	(OT) @	\$ 49.50/Hour		148.50
Journeyman:	6 Hours	(ST) 0	\$ 32.50/Hour		195.00
-	Hours	(OT) @	\$ 45.75/Hour		<u>503.25</u>
DISPOSAL: Slop Oil	Gallon	ıs e	\$ 0.60/Gallon		
Water	Gallon	ıs e	\$ 0.35/Gallon		
WATER:	Gallon	us .@	\$ 5.00/1,000	allons	:
MATERIAL:			us 25%	_ =	
STOCK:	21.00	Pl	us 25% <u>/4.25</u>	=	_71.25
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EQUIPMENT: Compressor Air Movers Vacuum Hand Hose 2" Strip Pum 3" Gas Pump Hand Tools Weld Machine Cutting Rig Haul Out Forklift Tugboat Steam Rig Cherry Picke Crane Butterworth	Hours Each Hours Hours Each Hours Hours Hours Hours Hours Hours Hours	e \$ 30 e \$ 10 e \$ 100 e \$ 130	5.00/Hour 0.00/Hour 2.00/Hour 5.00/Hour 6.00/Hour 0.00 Each 6.00/Hour 0.00 Each 0.00/Hour 0.00/Hour 0.00/Hour 0.00/Hour 0.00/Hour 0.00/Hour 0.00/Hour	40.00 20.00 20.00 36.00	
4" Elec Pump Truck	Hours Hours	• ,	5.00/Hour 5.00/Hour		000264
MATERIAL COST: Coveralls Respirator Flashlights Goggles Raincoats Lantern	2 @ 3.50 E @ 6.00 E @12.00 E @ 4.00 E @40.00 E	a.= 24. d a.= /2 a.= 8.0 a.=	00 Gloves/Rbr 20 Gaskets		3.00 Ea.= 6.00 3.00 Ea.= 6.00 6.00 Ea.= 12.00 Pr.= 20.00/Box= 75.00 = 75.00

#### DAILY TIME LOG

DATE:	4-	23-9	7	CUSTOMER.	BASI	<i></i>	<u>-</u>
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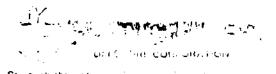
Strength through environmental awareness and customer service

P.O. Drawer O Freeport, Texas 77541

Office (409) 233-6371 Fax. (409) 233-6375

Date: 11-23-97 Job No: 5494 Barge/M/V: F+7=1/3

EQUIPMENT	HOURS
Compressor	
Air Movers	20
Vacuum	4
Steam Rig	
Hand Hose	3
Boiler	
2" Strip Pump	
3" Diesel Pump	
4" Electric Pump	
Crane	
Cherry Picker	
Forklift	
Tug Boat	
Welding Machine	
Cutting Rig	
Work Barge	:
Haul Out	
Truck	
Hand Tools	
100 Sack Sand Pot	
Sandblasting Hoses	
2" Sandblasting Hoses	
STOCK	NUMBER
Coveralis	2 2
Batteries	2
Respirator Filters	4
Gloves	<u> </u>
Flashlights	
Gaskets •	
Gougles	2
Boots	
Raincoats	
White Rags	



Strangth through specience, employed, active has P.O. Drawe, G. Fragieri, Fakis 77541

- Cincurs4091235-6071 Parigraph Valley 25

FINAL CHECK LIST

APE: 21-23-87 ARCE: Eft= 113

NUMBER CHECKED	3	REPLACTO	03.00000	YES	ON	
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HECK VALVE NUMBER CHECKED	N/A	בפסגעקתת	CASKET	Y 12.5	- 40	_
MERWALL DLIND NUMBER CHICK	OD N/A	בפסיידונבע	CASKIPT	YES	NO	
THOW DECK CARGO PERENTHE E	אטא פעדשנ	DER 2 10	EPLACED C	λεκπη	YRS	NO
THOW DECK CARCT PRETAINER	EIND RIM	CAED AES	NO			
PANS VALVES: CLOS	ED BY C	YUZ				
TRIP PANS COVER: CICL	ED BY M	<u>/</u>				
OMPAINMENT AREA PLUC OR VI	TVPS:	CLOUED BY	( <u>CASAS</u>			
IR TRET CARCO LINE - 40ps	. <del>-</del> #9146	50.7				
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## DECLARATION OF INSPECTION PRIOR TO BULK CARGO TRANSFER

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LOCATION	FREEPORT TX.			
	fers to requirements set forth in a set forth in a set for the list are			
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	red Warning Signals. (38.36-30)	) (m) (p)		
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_	Hgmmoat (188,120 (d))			
21	numed components (154,120 (a))			<del></del>
•	Tref fileful (164.120 (V)			
•	es/See Suction Valves (15d-120 (	ν13		
4*	rus cuadition (166.120 (b) (156.1			
_	apport (184.130 (b) (c))	. • ,		<del></del>
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in Scappers or Dreine	•			
in Kningang Station				
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lik They or Open The			N/A	N/A
17. Lighday (sunset to				
18. July deading April	•			
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20. Succediant Parsonnal	L (154.120 (e) (a))			
21. Transacióniference	L (15K.120 (q1)			
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want for Courses Reservin	g Unit	mix	Ten	ም ወሃታጣ
Waster Ci	urta	FOYEMBN	_ 4-2	3-97=1:3
Comments Delivered		JEL PERSON		
une confermo M	27-972 7: w.PM			000

<sup>&</sup>quot; Buler and Regulations for Tente Vessela.

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Duto 11-23-57		Supervisor	Curlo Duct
Plant Her CULES MA	ine	Cliant Safety	
Aridulfas Free Dock	•		
The following listed mat	erials are conside	red to be heredous	ca the wenlove
working In this areas at		, *	
N-BUTAINOL			
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12-202-433-761 @ CUTSIDE THE TOL (MENTAL U.S. AND IN WAS INGTON. D.C.) EMERGENCY RESPONSE INFORMATION SHEET

SOLUBILITY IN WATER: MIXES SLICHTLY

N-BUTANOL

FORM: LIQUID, CLEAR

SPECIFIC GRAVITY: 0.8

FREEZING POINT: -128°F

BOILING POINT: 243.9°F

C. 12912

LIOUIU :/A1120

FLADMABLE LIMITS: 1.4% - 11.2%

VAPOR HAZARD: FLAMMABLE.

IRRITATING.

REACTS WITH: OXIDIZING MATERIALS.

CUPPER AND ITS ALLOYS.

BOILING FOR 97°F (Inc) H HAZARDS

ANIMAL: AVOID INCESTION. AVOID EXPOSURE.

AVOID ENTRY INTO NATURAL WATERS. MAY CAUSE LOCALIZED FISH KILL.

EYES: MODERATE BURN. MODERATE IRRITATION.

SKIN: MODERATE IRRITATION; TOXIC BY ABSORPTION UPON CROSS CONTACT.

INHALATION: SLIGHTLY IRRITATING. DROWSINESS, UNCONSCIOUSNESS.

INCESTION: LOW TOXICITY.

FLAMMABLE. IRRITATING. KEEP UPWIND. ISOLATE AREA AND DEMY ENTRY. DO NOT GET IN EYES. AVOID CONTACT WITH SKIN. AVOID BREATHING VAPORS. USE WATER SPRAY TO REDUCE VAPOR. NO SMOKING, FLARES, OR OPEN FLAMES. SHUT OFF IGNITION AND LEAK IF WITHOUT RISK. USE NONCOMBUSTIBLE ABSORBENT MATER AL/SAND AND SHOVEL INTO SUITABLE CONTAINERS.

DIKE LARGER SPILLS AND RECOVER. AVOID ENTRY INTO SEWERS AND/OR NATURAL WATERS.

CLOTHING: WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED STEATHING APPARATUS.

DISPOSAL! CONTACT MANUFACTURER AND UTUADITIES

FLAMMABLE. IRRITATING.

DO NOT PUT OUT ANY FIRES AT VENTS UNTIL LEAK IS SHUT OFF. MAY DECOMPOSE IN HEAT/FIRE RELEASING PRODUCTS OF GREATER HAZARD. COOL CONTAINERS EXPOSED TO HEAT/FIRE WITH WATER TO PREVENT 5UPSTING. SMALL FIRES: USE DRY CHEMICAL OR CO2.

LARGE FIRES: USE WATER SPRAY, FOG, OR ALCOHOL FOAM. IF MASSIVE FIRE: USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES. IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN. DIKE LIQUID RUN-OFF.

AVOID FYTRY INTO SEWERS AND/OR NATURAL WATERS

EYES: IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES. CONSULT MEDICAL PERSONNEL.

SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING. CONSULT MEDICAL PERSONNEL. CLOTHING: REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH BEFORE REUSE. DESTROY CONTAMINATED SHOES AND LEATHER IT MS.

INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT MEDICAL

PERSONNEL.

000270

Hormation contained herein is hereby presented as a complimentary act, in good faith, and is, to use best of The Dow Chemico, Company's knowleedge and belief, accurate and relieute as suther date congress, but may well be incomplete. Ho epresentation, querance or warranty is made as accuracy, reliability as completeness and, as Governmental regulations and distributed distributed and incompleteness and authority for specific and uses prior to use.

DOW CHENICAL U.S.A.

JOB NO. 5494	ETA
BARCE NO. E + 12 1/3.	DATE/TIME ARRIVALU-23-87: /
CUSTOMER BASE	DATE/THE STARTED4-23-57./3
	DATE/TIME COMPLETEDUE 35-77
DISPOSAL AMOUNT AMOUNT STRIPPED	<del></del>
CLEANING INSTRUCTION BY: Rubert Peters	
COMPLETION SCHEDULE BY:	
OVERTIME AUTHORIZED BY: Robert Peters	
BARCE INSPECTED BY: Quele Quele	DATE/TOME: 62 -
BARGE RELFASED TO: Brow Water 10	DATE/TIME:
DEEPWELL OPENED: YES WA NO CLOSED BY	NEW CASKET YES YO
BELOW DECK CARGO PIPELINE: BLIND OPEN YES NO	CLOSED BYC 454NEW GAGGET
DECK CHECK VALVE OPENED: YES NA NO CLOSE	D BY HEN CASKET YES NO
DECK HEADER BLINDS OPEN: YES NO CLOSED	BY CASASNEW CASKET NO
DECK HEADER DRAIN PLUC OPEN: YES - HO CLOSZO	YES NO
VAPOR RECOVERY HEADER OPENED: YES NO CLOS	
·	463 40
RUST SCALE: YES NO WASHED OUT BUCKE	
TUMBER OF CARROL TANKS 3	
THE CONTRACT STREET, WES CONTRACTOR	
DRIP PANS STRIPPED: YES W/4 NC PYDE S	RESSURE TEST DATE:
WEATHER: TEMP RO RAIN FOC HUNIDITY	OVERCLES CLOIMY CLEAR
SISSTINE MASHED: "NO BISETINE STORM TO SISST	_ <del>-</del>
	RN RAKE: YES NO
70 DS: YES NO SAFETY EQUIPME	
	*********************
NOTICE	
All barges cleaned for BASF will be inspected by Ca. have paperwork for the Hercules foreman in charge to two copies in the document mail box. One copy will captain of the tugboat that is picking up the barge inspection is completed and documentation is in the logistics representative must be contacted.	o sign. The forman will put stay in the mailbox, and the will not be called until
Inspected Apall 1931/1971 1830 Time In	
Inspected By Jufan	,,2"
NO BASE BARGE THAT HAS BEEN CLEANED WILL BE RELEASED THE RELEASE PAPERS. CALEB BREIT WILL BE GIVEN A COL	O UNTIL CALEB BRETT HAS SIGNED BY OF THIS FORM.

## HERCULES OFFSH E CO.

MARINE REPAIR	MARINE OPERAT		CLISTOMER P.O.	
ORDER No. 4-5494				
4-23-97	11.20	C		
Distance	11:30 a.m.	S BASE	·····	
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tea ETT 113	~	STOCK MATERIAL		
Person		IF YES, COMPLETE STO		
		in tea, complete and	W. V. WALLEWING	CRAMPTER CIGARE
LALY PRODUCT	7	OUTSIDE SERVICES		
GAS FREEING NO CERTIFE	CATE REQUIRED NO		<u> </u>	
HAUL OUT FOR INSPECTION AND REP	·			
				<u> </u>
ON WAYS	DATE:	\	· · -	· · · · · · · · · · · · · · · · · · ·
ON WAYS	DATE:	<u> </u>		
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THIS SHALL SERVE AS YOUR AUT	HORIZATION TO PROCEED	WITH THE ABOVE.		
Signed: Clarely Des				0
Signed: (X Bellier Cle)	0	Date: _	U-23-	<i>87</i>

BASF 04/27/97

	And the transfer of the second of the second of	The second second second second
7	4-5497 ETT 112	BASF 4-27-97

## MARINE REPAIR ORDER No. MARINE OPERATIONS FACILITY CUSTOMER P.O. D 0 **M** £ Ε STOCK MATERIAL □ YEO □ \*\*○ IF YES, COMPLETE STOCK MATERIAL TRANSPER TICKET OUTSIDE SERVICES IF YES, LIET **□** Y **E**\$ | \* 348 FREEING NO [ CERTIFICATE REQUIRED NO 🗆 HAUL OUT FOR INSPECTION AND REPAIR Y \$2.5 [] HO [] - ITEM NUMBERS 10 THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE. ... Date: \_ Signed: \_\_\_

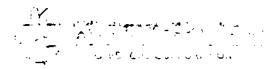
HERCULES OFFSHORE CO.

#### DAILY TIME LOG

DATE:	4- 2	7-9	2	-	CUSTOMER:	BAS	=	
JOB NO:		· <u> </u>			BARGE:	Exta	112	
START TIME 8:30				STOP TIME 4:00 PM				
NAME	<del></del>	HOURS	TOTAL		NAME		HOURS	TOTAL HOURS
alau	Pin	ァ						
Care Quid Cong Rive	<u> </u>	6		- 				
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#### DAILY TIME LOG

OATE: 5-2-97  OB NO: 5497			CUSTOMER BASE BARGE: Ext21/2			
START TIME 4/2	-		STOP T	IMIC 6:3	o PM	
Courses and Comments	2/2 2/3 1	TOTAL	NAME		HOURS	TOTAL
MATERIAL LIST	DN:		Bow R			



Strength through III, therice, equipment, know how P.Q. Dravier 0 Other (40) Friegion, Texas 77541 Fax (5)

Other (409) (13), 3371 Fax (4), 5, 134, 6,,75

PINAL CHECK LIST

AMD: <b>4</b>	1-27-	92
mcm:_	Ett=	1/2

AND NUMBER CHECKUD 2	ROBIACED C.SKED	YESNO
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COOS NOVERS CHROKED /	PEPLACED PLUC	Y25
THROK VALVE JUANTA CHECKED HAS	באוני פתני בתניבות	YESNO
Machart aring Mamasa Grackin Na	REPLACED CACKET	YESNO
THOM DROK CARCO PIPULING BLING NOW LOW DROK CARCO PIPULING BLING MEM LIP PANS VALVES: CLOSED BY C	CVRD YDSNO <u></u>	NOKEW YRS NO
TAINMENT AFEN PLUC OR VALVES:		
UNI TEST CARCO LINE - 40psi - USING	90AP	·
COMPUTE OF TOWARD Clause De	ut	
20,200: Jung - Sura	usta	

CHRIM VALVE CARRES OTAL ER COTARCES Als webs in lang wall to be bode cefore releases baser.

000277



Strength through environmental awareness and customer service

P.O. Drawer O Freeport, Texas 77541

Office (409) 233-6371 Fax. (409) 233-6375

Date: 4-27-97 Job No: Barge/M/V: F+1=1/2

EQUIPMENT	HOURS
Compressor	8
Air Movers	24
Vacuum	4
Steam Rig	· · · · · · · · · · · · · · · · · · ·
Hand Hose	4
Boiler	
2" Strip Pump	10
3" Diesel Pump	14
4" Electric Pump	
Crane	
Cherry Picker	
Forklift	
Tug Boat	
Welding Machine	
Cutting Rig	
Work Barge	
Haul Out	
Truck	
Hand Tools	
100 Sack Sand Pot	
Sandblasting Hoses	
2" Sandblasting Hoses	
STOCK	NUMBER
Coveralis	20
Batteries	2
Respirator Filters	4
Gloves	
Flashlights	
Gaskets -	
Goggles	
Boots	
Raincoats	
White Rags	

FUEL PERSON

000279

THE COMPLETED 41-29-97

Ruler and hegaletters for Tank Vessels.

### HYZTER COMMISSION ULTRIBUTE

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Planske + cules mywrine	Client Safety	
Arid Has Free Dock	· · · · · · · · · · · · · · · · · · ·	•
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(1-202-483-761 COUTSIDE THE DATE NENTAL U.S. AND IN WAS MUCTO

EMERGENCY RESPONSE MEORMATION SHEET

DOT LIQUID

C. 12912

N-BUTANOL

FORM: LIQUID, CLEAR

SPECIFIC GRAVITY: 0.8

SOLUBILITY IN WATER: MIXES SLICHTLY

FREEZING POINT: -128°F BOILING POINT: 243.9°F

FLACHABLE LIMITS: 1.4% - 11.2%

VAPOR HAZARD: FLANCIABLE. IRRITATING.

REACTS WITH: OXIDIZING MATERIALS,

CUPPER AND ITS ALLOYS.

FLASH POINT: PALTO H HAZARDS

ANIMAL: AVOID INCESTION. AVOID EXPOSURE.

AVOID ENTRY INTO NATURAL WATERS. MAY CAUSE LOCALIZED FISH KILL. FISH:

EYES: MODERATE BURN. MODERATE IRRITATION.

SKIN: MODERATE IRRITATION; TOXIC BY ABSORPTION UPON GROSS CONTACT. INHALATION: SLIGHTLY IRRITATING. DROWSINESS, UNCONSCIOUSNESS.

INGESTION: LOW TOXICITY.

Α

FLAMMABLE. IRRITATING. KEEP UPWIND. ISOLATE AREA AND DENY ENTRY. DO NOT GET IN EYES. AVOID CONTACT WITH SKIN. AVOID BREATHING VAPORS. USE WATER SPRAY TO REDUCE VAPOR. NO SMOKING, FLARES, OR OPEN FLAMES. SHUT OFF IGNITION AND LEAK IF WITHOUT RISK. USE NONCOMBUSTIBLE ABSORBENT MATER AL/SAND AND SHOVEL INTO SUITABLE CONTAINERS. DIKE LARGER SPILLS AND RECOVER. AVOID ENTRY INTO SEWERS AND/OR NATURAL

CLOTHING: WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.

DISPOSAL CONTACT MAMIEACTURES AND PRINCETTES

FLAMMABLE. IRRITATING.

DO NOT PUT OUT ANY FIRES AT VENTS UNTIL LEAK IS SHUT OFF. MAY DECOMPOSE IN HEAT/FIRE RELEASING PRODUCTS OF GREATER HAZARD. COOL CONTAINERS EXPOSED TO HEAT/FIRE WITH WATER TO PREVENT BUPSTING.

SMALL FIRES: USE DRY CHEMICAL OR CO2. LARGE FIRES: USE WATER SPRAY, FOG, OR ALCOHOL FOAM. IF MASSIVE FIRE: USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES. IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN. DIKE LIQUID RUN-OFF.

AVOID FATRY INTO SEWERS AND/OR NATURAL WATERS.

EYES: IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 13 MINUTES. CONSULT MEDICAL PERSONNEL.

SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT BEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING. CONSULT MEDICAL PERSONNEL. CLOTHING: REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH BEFORE REUSE. DESTROY CONTAMINATED SHOES AND LEATHER IT MS.

INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT NEDICAL

PERSONNEL.

000281

he information contained herein is hereby presented as a complimentary act, in good faith, and is, to the best of The Dow Chemic's Company's antiadde and belief, accurate and reliation of eatherstandialed, but may well be incomplete. He representation, querantee or warranty is made as to its accuracy, reliability ar completeness and, as Governmental regulations are definitely included the contract of a completeness and suitability for specific and uses prior to use.

DOW CHEMICAL U.S.A.

### U. S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

### LOG OF INSPECTIONS AND TESTS BY COMPETENT PERSON

jab No.					Date	
Vastal & TT 1/2	Type Tank	Barge		Bonh Hercules	Raport No.	
Name of Space (Last Cargo)	Operation	Date	Time	Result of Test (Instrument Used)	Instructions	initials
Bow Rake	Entry & Nat work	5-2-97	7:00	161-0% Oz - 20:8%	Safe for Workers 4	PSP
Wingtonk#/P	T'AT SEAFE	1 '	7:08	LEL-02.	Provide Ventilation during	RSP
1 #2P		, (	7:14	161-0% Or = 20,8%		RSP
1 39		· /	2:21	161-07. 02-20.8 %	/	RSP
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			7:28	01 - 20.8%	/	RSP
Stern Box		. /	7:35	02-20-8%	/	RSP
Winotank#45		1	7:42	Cr - 20.8 %	/	RSA
, #3S		\ /	7:49	252-0% OL-208%	1	NSP
, **25		\ /	7:56	02-50.82		RSA
/ 15		1 '	8:03	02-20.87		RSP
Cago tank #1	* 14	′ /	8:10	01-2012		RSP
1 72		` '	8:16	01-20.8%		RSP
1 #3			8:23	01-20.6%		RSP
10 km .						
						<u> </u>
000282			·			
N	· , , , ,					

#### **INSTRUCTIONS FOR FORM OSHA-74**

- 1. This form shall be used to log the inspections and tests required by Section 1915.10 (c) (1) and/or Section 1916,10(c) (1) and/or Section 1917.10(c) (1).
- This record shall be available for inspection in the immediate vicinity of the affected operations while they are in progress and shall be kept on file for a period of at least 3 months from the date of the completion of the job.
- 3. Date.-Enter the date of the job completion at the upper right-hand corner.
- 4. Vessel,-Name of vessel.
- 5. Type.-Indicate tanker, dry cargo, passanger, miscellaneous vassel, etc.
- Report Number.—It is suggested that the Report Number be used to number sequence and number of sheets covering the same operation.
- Spece.—Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are are made or tests taken. Note the cargo last carried if significant.
- B. Operation.—Name the operation to be performed, such as cleaning, inerting, painting, hot work, cold work, etc.
- 9. Date and Time.-The tests shall be listed in the order in which they are taken.
- 10 Results,—Give meter readings and types of instruments used, where applicable.

  Otherwise indicate "inspection" or "flammability test."
- 11. Findings and Instructions.—Interpret findings of inspections or test readings in terms of the spaces being safe, and when necessary indicate precautions to be taken.
- Initials and Signatures.—The competent person shall Initial each test or inspection made. The full names shall be written in the spaces below.

Names of competent	persons whose initials appear or	n this form:
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### U. S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

### LOG OF INSPECTIONS AND TESTS BY COMPETENT PERSON

Job No.	7	L D		Bonh Kercules	Oate	•
Vessel Err 1/2	Type Tank	Sarge	T		Report No. 5	
Name of Space (Last Cargo)	Operation	Dete	Time	Result of Test (Instrument Used)	†nswuctions	trografis
Bow Rake	Entry & Hot work	5-1-97	7:06	02-20.8%	Safe for workers	RSP
Wing tack # 1P	710 7 230 7 1	11.		LEL- OZ	Provide Ventilation during	REP
1 4 0 0		1, ,	7: /3	167-02 01-50.82	all Entry by weekers	RSP
1 4 - 1		<u> </u>	2:20	Cet - 0.2		1 1
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			5: 58	Cel-0%		QSP .
740			7:35.	161-0-4 161-0-4		QSP
Stern Box		` '	2:42	06-50.84		- $RSP$
Wing tank#45	<u> </u>		7:49	Or - 30.8 €		asp
1 +35		\ /	7:56	01-50-68		RSP
/ #2 s		\ /	5:03	02-20-88	/	RSP
\ \ \ #15			8109	D1-20.8%		RSP
(Butanol) Corpo tank # 1		\ /	8:16	02-20.8%	1	RSP
/ # 2		\ /	8:22	161-0%	/	RSP
/ #3		` ` /	8129	02-50-6 2	/	RSP
	£ .		· · · · ·	02-50:42	i)	
	<u> </u>		<del> </del>	<u> </u>	<u>'</u>	
000284				<u> </u>		
284	<u> </u>		<del> </del>	<u> </u>		
<u></u>	<u></u>	1	]			. ]

#### INSTRUCTIONS FOR FORM OSHA-74

]		1. This form shall be used to log the inspections and lesis required by Section 1915.10 (c) and/or Section 1916.10(c) (1) and/or Section 1917.10(c) (1).
		2. This record shall be available for inspection in the immediate vicinity of the affected operations while they are in progress and shall be kept on file for a period of at least 3 months from the date of the completion of the job.
7		3. Ba S. = Enter the date of the job completion at the upper right-nord corner.
]		4. Vessel - Name of vessel.
]		5. Type - Indicate tanker, dry cargo, passenger, miscellaneous vessel, etc.
} 1	* ( **	6. Report Number - It is suggested that the Report Number be used to number sequence and number of sheets covering the same operation.
<u>,</u>	e e e e	7. Space - Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are made or tests taken. Note the cargo last carried if significant.
		8. Operation - Name the operation to be performed, such as cleaning, inerting, painting, hot work, cold work, etc.
]	· ,	9. Date and Time - The tests shall be listed in the order in which they are taken.
)		10. Results - Give meter readings and types of instruments used, where applicable. Otherwise indicate "inspection" or "flammability test."
	<i>:</i>	11. Findings and Instructions – Interpret findings of inspections or test readings in terms of the spaces being safe, and when necessary indicate precautions to be taken.
		12. Initials and Signatures - The competent person shall initial each test or inspection made. The full names shall be written in the spaces below.
	•	Names of competent persons whose initials appear on this form:
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## U. S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

#### LOG OF INSPECTIONS AND TESTS BY COMPETENT PERSON

Name of Space	Type Tank		<u> </u>	Berth Percula			T
(Last Cargo) _	Operation	Date	Time	(Instrument Used)	Instructions		tempals
Bow Rake	Entry & Not Work	4-30-97	7:01	Dr - 20.8%	Safe for workers Safe for Ket Worl Provide Ventilation	k. )	مرعط
Singtank#IR		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7:08	Cr - 20.8 %	Provide Vestilation	during. Kara	N 5 10
1#20		\ \ \	7:15	01 - 50.8 % (ET - 0 = 2			MS A
\ / #3P		\ /	7:23	CEL - O %		/	N 500
\ / #4p		` ,	7:30	02-20.8 %		/	950
Stern Box		1, ,	7:36	Car- 20.8%	\		RSK
Singtent #45		\ /	7:43	01-70.85		/	RSA
1 #35	· · · · · · · · · · · · · · · · · · ·	, ,	7:50	161-0% Or-20.8%		/	RSK
1 #25		\ ,	7/57	(11-0% Oz-20.8%	\	/	RSP
1 /#15		\ ,	8:03	161-0%			RSK
(Bushing)		\ ,	8:10	02-20.8%			RSA
Carpatank#/		\ /	8117	Oz- 20.8% Oz- 20.8%	٠ ،	/	PSA
1 #3		\ /	8:25	02-20:0		/	RSA
	f.				<i>i</i> ;		1,72
							<del> </del>
000286							·

#### INSTRUCTIONS FOR FORM OSHA-74

	1. This form shall be used to log the inspections and tests required by Section 1915.10 (c) and/or Section 1916.10(c) (1) and/or Section 1917.10(c) (1).
	2. This record shall be available for inspection in the immediate vicinity of the affected operations while they are in progress and shall be kept on file for a period of at least 3 months from the date of the completion of the job.
	3. Dally - Enter the date of the job completion at the upper right-hand corner.
	4. Vessel – Name of vessel.
	5. Type - Indicate tanker, dry cargo, passenger, miscellaneous vessel, etc.
	6. Report Number - It is suggested that the Report Number be used to number sequence and number of sheets covering the same operation.
<b>4</b> 	7. Space - Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are made or tests taken. Note the cargo last carried if significant.
	8. Operation - Name the operation to be performed, such as cleaning, inerting, painting, hot work, cold work, etc.
	9. Date and Time - The tests shall be listed in the order in which they are taken.
. ,	10. Results — Give meter readings and types of instruments used, where applicable. Otherwise indicate "inspection" or "flammability test."
	11. Findings and Instructions - Interpret findings of inspections or test readings in terms of the spaces being safe, and when necessary indicate precautions to be taken.
	12. Initials and Signatures - The competent person shall initial each test or inspection made. The full names shall be written in the spaces below.
	Names of competent persons whose initials appear on this form:
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## U. S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

#### LOG OF INSPECTIONS AND TESTS BY COMPLIENT PERSON

essel ETT 1/2	Type Tan	k Barpe		Benth Hercules	Date Report No. 3		
Name of Space (Last Cargo)	Operation	Dete	Time	Result of Test (Instrument Used)	Instruction	na .	Indeals.
Bow Rake	Nor Work	4-29-97	7105	Oz- 20.8%	Safe For Wor		RSN
Wingtonk +/P		1.	7112	01-20.8%	Provide Ventilate	workers )	ASP
1 #2P		\ /	7:19	Oz - 50.8 2			RSD
'#3P		\ /	7:25	02-20.8%	<u> </u>		RSP
1#40		\ /	7/32.	De- 308%			RSP
Stern Box		\ /	7140	01-50.82			RSP
wing tank #45		\ \ /	2:46	Gr-50.82			RSP
1 #35		\ \ \	7:53	161-02 05-3084			RSP
\ / #2s			8:00	020.87	\		RSP
(Butanol)			8:07	82-70.8% 466-0%		······	RSP
Carpo tank #1		<del></del>	8115	E1 - 20.8 %	<del> </del>		RSP
/ #2 / #3		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8:21	02-20.88 LEL-026			RSP
			8: 58	Q - 20 8 26			RSP
	±.		<u> </u>		<u> </u>	<u>,                                    </u>	_
 			<u></u>			<del></del>	 
88 <u>-</u>			<del> </del>				

#### INSTRUCTIONS FOR FORM OSHA-74

	1. This form shall be us (1) and/or Section 193	ed to log the inspections and tests required by Sect 7.10(c) (1).	tion 1915.10 (c) and, or Section 1916.10(c)
		vailable for inspection in the immediate vicinity of to on file for a period of at least 3 months from the dat	
•		of the job completion at the upper right-hand corner	
	4. Vessel - Name of vess	el.	4
	5. Type - Indicate tanke	r, dry cargo, passenger, miscellaneous vessel, etc.	
	6. Report Number - It the same operation.	s suggested that the Report Number be used to num	ther sequence and number of sheets covering
	7. Space - Name each s last carried if significa	pace (e.g., No. 5 stbd. D.B. Tank) in which inspecti nt.	ions are made or tests taken. Note the cargo
	8. Operation - Name th	ne operation to be performed, such as cleaning, in	erting, painting, hot work, cold work, etc
	9. Date and Time - The	tests shall be listed in the order in which they are tak	en.
	10. Results — Give meter "flainmability test."	readings and types of instruments used, where app	plicable. Otherwise indicate "inspection" of
		ions — Interpret findings of inspections or test readle precautions to be taken.	dings in terms of the spaces being safe, and
	12. Initials and Signature ten in the spaces below	s – The competent person shall initial each test or in $v$ .	rspection made. The full names shall be writ
	Names of competent pers	ons whose initials appear on this form:	<b>•</b>
		<u> </u>	
			j.
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	•		•

### U. S. DEPARTMENT OF LABOR Occupational Salety and Health Administration

#### LOG OF INSPECTIONS AND TESTS BY COMPETENT PERSON

ab No.	_	_			Date	
ETT, 1/2	Tipe Tan	Bagge	•	Beat Bercule:	Report No. 2	
Mame of Space (Last Cargo)	Operation	De:e	Time	Result of Test (Instrument Used)	Instructions	to grafts
Bow Rake	Entry & Hot Work	4-28-99	2:03	02 - 20.8%	Safe for Workers Safe for Hot Work Frouda ventilation dur	RSP
Winstank / P		\ /	7:09	161-0%	provide ventilation dur all entry by worker	NSP
1 2 P		\ /	7:16	161-0%		1 RSP
\ /#3P		\ /	7:22	(EL-0% (EL-0%	`	' RSP
1#4P		\ /	7/28	02-20.8%		' RSP
Stern Box		\ , ,	7:35	LEL-076 OL-20.8-X		PSP
Winstank#45		\ /	7:42	(ET - 0.2 % SET - 0.42		' RSP
0 1#35		` '	2:48	161-05 CET-05	\	1 RSP
1#25		\ \ \	7:53	O1-20.88	\	1 RSP
( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (		/ /	7:59	01-20.8 %		1 DSD
Carpo tank		\ /	8:06	02-2058	~	RSD_
/ #2		\	8:14	02-20.58		' RSP
/ #3		\ /	ह: ६/	02-20,8%		1 RSP
· · · · · · · · · · · · · · · · · · ·	4,		<u> </u> 		i,	
000290	 		<u> </u>		,	
290		ļ <del></del> _				
		l		<b>)</b>		

1.	This form shall be used to log the inspections and tests required by Section 1915.10 (c) and/o (1) and/or Section 1917.10(c) (1).	r Section 1916.10(c)
2.	This record shall be available for inspection in the immediate vicinity of the affected operations gress and shall be kept on file for a period of at least 3 months from the date of the completion of	while they are in pro- the job.
3.	. Bary - Enter the date of the job completion at the upper right-hand corner.	• . •
4.	. Vessel - Name of vessel.	4
5.	. Type - Indicate tanker, dry cargo, passenger, miscellaneous vessel, etc.	
<b>6</b> .	Report Number - It is suggested that the Report Number be used to number sequence and number same operation.	per of sheets covering
7.	Space - Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are made or tests to last carried if significant.	aken. Note the cargo
8.	. Operation - Name the operation to be performed, such as cleaning, inerting, painting, hot w	ork, cold work, etc.
9	Date and Time - The tests shall be listed in the order in which they are taken.	
11	0. Results — Give meter readings and types of instruments used, where applicable. Otherwise indi "Πammability test."	icate "inspection" or
1	1. Findings and Instructions - Interpret findings of inspections or test readings in terms of the symbol necessary indicate precautions to be taken.	paces being safe, and
1	2. Initials and Signatures - The competent person shall initial each test or inspection made. The ful ten in the spaces below.	l names shall be writ-
N 	Vames of competent persons whose initials appear on this form:	•
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## U. S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

#### LOG OF INSPECTIONS AND TESTS BY COMPETENT PERSON

Job No.					Date		
V. ETT 112	Type Tank	Barge	L	Benh bercule	Report No. 1		
Hare of Space (Last Cargo)	Operation	Delle	Time	Result of Test (Instrument Used)	Instructions		(extra)
Bow Aake	Entry & NoT work	4-27-97	07:06	164-07. Oz-20.8%	Safe for Workers Safe for HoT Work	. )	RSP
4): anto 11 k# / P	201 3011	1. /	7:/3	161-02 01-5082	Provide Ventilation all Entry by Worker	during	250
0 / +2 p		\ /	7:19	161-0% 01-20.8%		,	حروهم
\ /#3P		\ /	7: 25	161-0%	`	/	RSD
1 1 ** 4 P		\ /	7:32	CE - 208%		,	RSP
Stern Box		\ /	7:40	LEL-0% O1-20.8%	`	′	R5D
winetant #45		\ /	7:47	02-20-8%			PSP
7 # 35	•	\ /	7153	02-20,8%	`	/	RSP
1 # 25		\ /	8:00	661-076 02-20.876			RSP
\ /#15		\ /	8106	02-20.8%		,	RSP
Carpo Canko #/		\ /	8:14	C1-20.8%			RSP
1 # 2		~ _	8:21	02-20,8%	· ·	,	RSD
\ /#3		\ /	8:28	lei - Q7.		/	RSD
	£ :.				)		
000							
000292							

		1. This form shall be used to log the inspections and tests required by Section 1915.10 (c) and/or Section 1916.10(c) (1) and/or Section 1917.10(c) (1).
}	•	2. This record shall be available for inspection in the immediate vicinity of the affected operations while they are in progress and shall be kept on file for a period of at least 3 months from the date of the completion of the job.
~ 7 ·	•	3. Early Enter the date of the job completion at the upper right hand corner.
]		4. Vessel - Name of vessel.
7		5. Type - Indicate tanker, dry cargo, passenger, miscellaneous vessel, etc.
j }	****	6. Report Number - It is suggested that the Report Number be used to number sequence and number of sheets covering the same operation.
	<b>.</b> .	7. Space - Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are made or tests taken. Note the cargo last carried if significant.
}		8. Operation - Name the operation to be performed, such as cleaning, inerting, painting, hot work, cold work, etc.
	·• ,	9. Date and Time - The tests shall be listed in the order in which they are taken.
)		10. Results - Give meter readings and types of instruments used, where applicable. Otherwise indicate "inspection" or "flammability test."
		11. Findings and Instructions — Interpret findings of inspections or test readings in terms of the spaces being safe, and when necessary indicate precautions to be taken.
	·	12. Initials and Signatures - The competent person shall initial each test or inspection made. The full names shall be written in the spaces below.
		Names of competent persons whose initials appear on this form;
		Ryan S. Polls
		<u> </u>

LBARY	HERCULES	TO APRAT
LARRY Survey Required by ETT 1/2	TRNK BARGE	HENCULES
Vagent	MAN DAYGE	Specific Location of V
BUTH NOL	LEL-U, -VISUAL	16:00 Time Survey Com
COW RAKE		
STERN BOX	SAFE OR L	MIKERS
WING TANKS No 12	3 +4- PORT SAFE POR H	to more
\$ STARBO	ero (	
CARGO TANKS NO 1		
CHILD THOUSING T	<u> </u>	
ATM 05	PHERIC TEST 20, 8% U	
	0%65	
PROUNE	JENTICATION OURING AN EUTR	24 MARKERS
11.000	750 (C) (C)	OI DOIGCA
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Section of replacement of the second of the	projek kongo nadan na \$500estrogings STANDARO SAFETY DES	GNATIONS,355 gaedilo anv™
変要性ではeevent of any physical calcium of であるす the abase spaces and in any dept	plant (strongers ad an strongers grandense STANDARO SAFETY DES Bom nog at mystop all 1921 – and contact the Godersigned Marine	GNATIO: 5 355 gned to any inches
QUALIFICATIONS: Mevement of vennels	from original location, transfer of ballest, or manipulation of val	ves or clasure equipment tending t
QUALIFICATIONS: Mevament of vennels after conditions in pipe lines, tanks or impaction and endorsement or related	from original location, transfer of ballous, or manipulation of val ompartments subject to see sociamatation, unless specifically a of Cortificate for the spaces so affected. All lines, vents, heating	ves or clesure equipment tending to persued in this Cartificate, require
QUALIFICATIONS: Mevement of vennels after conditions in pipe lives, tanks or c importion and endorsament or relaxue appartenances shall be confidence "not	from original location, transfer of ballest, or manipulation of val- origanismosts subject to gas accumulation, unless specifically a	ves or cleasure equipment tending to persuad in this Cortificate, require cells, values, and similarly encloses
QUALIFICATIONS: Mevennent of vennels after conditions in pipe lines, tanks or c inspection and endorsement or related appartenances shall be considered "red STANDARD SAFETY DESIGNATIONS (parted in SAFEFOR WORKERS, Means that in the company	from original location, triansfer of bullists, or manipulation of val organisments subject to goe occumulation, unless specifically a of Cartificate for the spaces so affected. All lines, vents, heating safe" unless otherwise questionally designated. paraphrased from HFPA 205 Substanting 2-31 Prough 2-35, and Subsection and or space to designated (a) the oxygen content of the atmosphere is a less (95	vee or cleasure equipment tending to persuad in this Cortificate, require cells, valves, and similarly enclosed (-3.2) percently volume and that (b) tozo materia
QUALIFICATIONS: Mevennent of vennels after conditions in pipe lines, tanks or c inspection and endorsement or related appartenances shall be considered "red STANDARD SAFETY DESIGNATIONS (parted in SAFEFOR WORKERS, Means that in the company	from original location, triansfer of ballast, or manipulation of val original media subject to goe encumulation, unless specifically a of Cartificate for the apaces so affected. All fines, vents, heating safe" unless otherwise specifically decignated. persphrased from MFPA 306 Subsections 2-3.1 hrough 2-3.5, and Subsection	vee or cleasure equipment tending to persuad in this Cortificate, require cells, valves, and similarly enclosed (-3.2) percently volume and that (b) tozo materia
QUALIFICATIONS: Mevement of vennels after conditions in pipe lines, tanks or c imposition and endorsement or release. Appartenances shall be candidated "not STANDARD SAFETY DESIGNATIONS (parel in SAFEFOR WOOKERS, Means that in the company or the atmosphery are within permeable concerns as desicated on the Marrie Chronis's Certificate. NOT SAFEFOR WOOKERS, Means that in the co	from original leastion, triansfer of ballisst, or manipulation of val original methods subject to goe encountabilist, unless specifically a of Cartificate for the appears so affected. All fines, vents, heating safe" unless extremites questifically decignated. persphrased from MFPA 306 Subsections 2-3.1 hrough 2-3.5, and Subsection ent or space to designated (a) he oxygen content of the atmosphere is at legal (9.5 some and that, (c) the resource are not depend of producing toxic materials under ex- minimized or space so designated, the requirements of Safe for Workers have in	vos or elesute equipment tending to poreved in this Cortificate, require cells, valves, and similarly encloses (-3.2) percently volume and that (blissuc materia aing almospheric conditions while maintaine stoop met.
QUALIFICATIONS: Mevement of venness after conditions in pipe lives, tanks or climpection and endorsamant or release appartenances shall be confidenced "not STANDARD SAFETY DESCRIATIONS (partel in SAFEFOR WORKERS, Mears that in the compent or the atmosphere are within permissable concentrate directed on the Mayre Charmat's Certificate.  MOT SAFE FOR WORKERS, Means that in the contentration of the compent of the contentration o	from original location, triansfer of ballisst, or manipulation of val originaturents subject to goe somewhatches, unloss specifically a of Certificate for the spaces so affected. All times, vents, heating safe" unloap otherwise specifically decignated. , paraphrased from MFPA 305 Subsections 2-3-1 trough 2-3-5, and Subsection- ent or space so designated (a) the onlyan content of the atmosphere is a lessel (9-5 soms, and flat, (c) the resolute are not operate of producing toxic materials under ex- minational or space so designated, the requirements of Safe for Workers have no compenhant or space so designated, entry for work may be made only if condition	vee or clessure equipment tending to persived in this Contificate, require- cells, valves, and similarly enclose- 1-32) percently volume, and that (bitque materia ating atmospheric conditions while mantains it been met. s of proper protective equipment, coming, an
QUALIFICATIONS: Mevement of vennels after conditions in pipe lines, tanks or o impection and endorsement or release, appartenances shall be candidated "not STANDARD SAFETY DESIGNATIONS (parted in SAFEFOR WORKERS Means that in the company in the atmosphere are within permeable concerns as directed on the Martin Channel's Cartificate MOT SAFEFOR WORKERS, Means that in the co ENTER WITH RESTRICTIONS: Means that in any time are as specified.  SAFEFOR HOT WORK Means that in the company	from original location, triansfer of ballast, or manipulation of val originationes subject to goe encountabilities, unless specifically a of Certificate for the appears so affected. All flows, vents, heating safe" unless externation specifically decignated. perspirated from MFPA 306 Subsections 2-3.1 incough 2-3.5, and Subsection- ent or space to designated (a) his oxygen content of the atmosphere is at legs (3.5 some and that, (c) the resource are no capable of producing toxic indemaks under ex- maintened or space to designated, the requirements of Sale for Workers have re- competenent or space to designated, entry for work may be made only if condeon- ment to designated (a) oxygen content of the atmosphere is at least 19.5 percents.	vea or elessate equipment tending to portived in this Cortificate, require cells, valves, and similarly enclosed 3-22 percently volume and that (blissic material almospheric conditions while maintains to be proper projective equipment, coming, and y volume, will the escapsion of viered space
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QUALIFICATIONS: Mevement of venness after conditions in pipe lines, tanks or climpection and endorsamant or release, appartenancies shall be considered "not STANDARD SAFETY DESCRIATIONS (partel in SAFEFOR WORKERS, Means that he comparer or the atmosphere are within permeable concerns as dracted on the learner Channel's Certificate. NOT SAFEFOR WORKERS, Means that or has congested are an appaciant.  SAFEFOR WORKERS, Means that in the comparer or where external for each of the comparer or where external for each a to be performed, and channel or the external for each of the control or where external for each of the control of the features.	from original location, trianter of ballisst, or manipulation of val originarisments subject to goe socialisation, unloss specifically a of Certificate for the apaces so affected. All Mises, vents, heating safe" unloss etherwise specifically decignated. paraphrased from NFPA 305 Subsections 2-3-1 tricagh 2-35, and Subsection- ent or space so designated (a) the oxygen content of the strosphere is at least 19-5 sons; and that, (c) the resolutes are not capable of producing toxic nuterials under ex- minimized or space so designated, the requirements of Safe for Workers have in competent or space so designated. 4 thy for work may be made only if conden- ted to designated (a) oxygen content of the amosphere is all least 19-5 percent in tal, (b) the concentration of faministic massimis, in the atmosphere is below 10.	vee or clessure equipment tending to persured in this Cortificate, require cells, valves, and similarly enclosed 1-3.2) percent by volume, and that (b) toxic material sing almospheric conditions while mantane is of proper protective equipment, coming, and y volume, with the escapsion of inered space percent of the court flammable lamit, and that in the presence of fire, and while mantaneous or combussible materials have been cleare
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SAFE FOR WORKERS: Means that in the compartme	nt or tipace so designated; (a) the oxygen content of the samosphere is at least 1	9.5 percentary values, and that, for a
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# HERCULES OFFSHOrs CO.

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BASF 04/23/97

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### HERCULES OFFSH E CO.

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MAUL OUT FOR INSPECTION AND REPAIR YES NO	
ON WAYS DATE:	
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THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED Y	WITH THE ABOVE.
Signed:	Date:

BASF 04/21/97

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BASF 4-2**∮**-97

BASF

flow and gas free.

#### BASF BARGE SCHEDULE FOR HERCULES

April 18, 1997

April 19, 1997 - 0800 - Saturday

ETT 114 - Deballast and release to Brown Water IV.

Xpril 21, 1997 - 0800 - Monday

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ETT 115 - Deballast and release to Brown Canal.

#### HERCULES OFFSHONE CO. MYDICE HO. MARINE OPERATIONS PACILITY MARINE REPAIR CUSTOMER P.O. ORDER No. \_\_\_ 4-5488 CO 0800 BASE S T 0 Ė FREEPORT, TX M Ε R \*\*\*\*\* ETT 112 SUZETTE STOCK MATERIAL **□**∀**ĕ\$** . IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET DUARTE OUTSIDE SERVICES IF YES, LIST □ Y 84 GAS PREEING HO CERTIFICATE REQUIRED HO | HAUL OUT FOR INSPECTION AND REPAIR YES 💭 MO [] OH WAYS DATE: OH WAYS DATE: ITEM NUMBERS 2 3 7

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THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

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\_\_\_ Date: \_\_

3853 /OICE NO. RELLES RINE SERVICES CORPORATION DATE 4-21-97 O. Drawer O . Freeport, Texas 77541 Job No. 4~5488 Location Freeport, TX BASF PLEASE REMIT PAYMENTS TO: 602 Copper Road 11011 RICHMOND Freeport, Texas 77541 SUITE 500 HOUSTON, TX. 77042 : Net 30 Tarms Services to the ETT 112 as follows: Strip and blow dry. Deballast wing tank #4 and bow rake. Weld two fractures, one on stern box and one on bow rake. Weld dog back on wing tank hatch cover. 35.00(ST) 175.00 6 Leadman 5 Hrs. LABOR: 49.50 (OT) 173.25 3.5 Hrs. 6 Leadman 487.50 B 32,50(ST) 15 Hrs. Journeyman 45.75 (OT) 480.38 . 0 Journeyman 10.5 Hrs. \$ 61.25 12.25 Plus 25% 6 \$49.00 STOCK: 375.00 75.00 Plus 25% \$300.00 CHEMIST: 48.00/Hr. 384.00 8 Hrs. Compressor EQUIPMENT: \$ 160.00 Air Movers 32 Krs. 5.00/Hr. \$ 120.00 30.00/Hr. 4 Hrs. Vacuum \$ 9 12,00/Hr. 36.00 3 Hrs. Hand Hose 9 15,00/Hr. \$ 120.00 2" Strip Pmp 8 Hrs. 18.00/Hr. \$ 216.00 3" Gas Pump 12 Hrs. 30.00 15.00/Hr. Weld Machine 2 Hrs. 8.00 8.00/Hr. Cutting Rig 1 Hr. \$2,826.38 TOTAL AMOUNT DUE

PHONE: (409) 233-6371

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# HEF ULES OFFSHORE CO.

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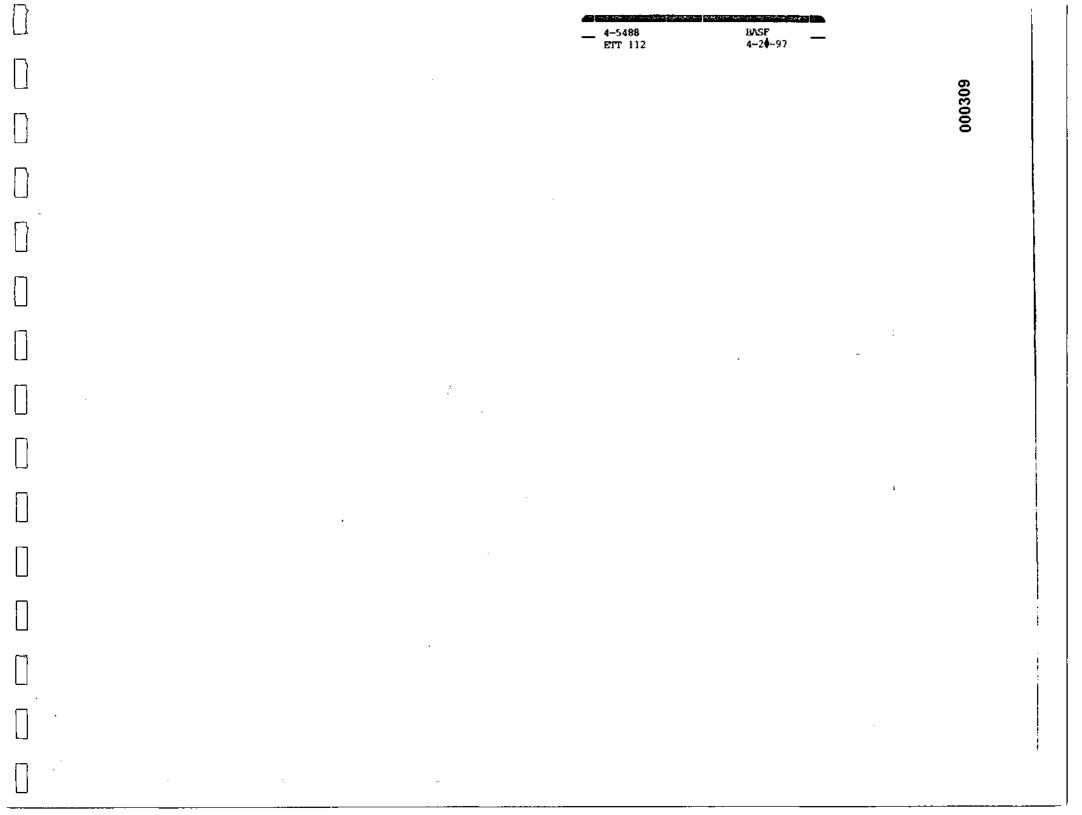
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BASF 04/21/97

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VOICE NO. 3853 DATE 4-21-97 2. O. Drawer O ▼ Freeport, Texas 77541 Job No. 4-5488 Freeport, TX Location O: BASE PLEASE REMIT PAYMENTS TO: 602 Copper Road 11011 RICHMOND Freeport, Texas 77541 SUITE 500 HOUSTON, TX. 77042 : Net 30 Terms OR: Services to the ETT 112 as follows: Strip and blow dry. Deballast wing tank #4 and bow rake. Weld two fractures, one on stern box and one on bow rake. Weld dog back on wing tank hatch cover. 9 35.00(ST) 175.00 5 Hrs. LABOR: Leadman 3.5 Hrs. \$ 173.25 æ 49.50 (OT) Leadman ... **@** 487.50 32,50(ST) Journeyman 15 Hrs. 45.75 (OT) 480.38 0 Journeyman 10.5 Hrs. **@** 12.25 61.25 Plus 25% STOCK: \$49.00 75.00 375.00 \$300.00 Plus 25% 9 CHEMIST: 384.00 8 Hrs. 48.00/Hr. EQUIPMENT: Compressor Air Movers 32 Hrs. 5.00/Hr. 160.00 9 30.00/Hr. 120.00 Vacuum 4 Hrs. 0 12.00/Hr. \$ 36.00 Hand Hose 3 Hrs. ø 15.00/Hr. \$ 120.00 2" Strip Pmp 8 Hrs. a 3" Gas Pump 12 Hrs. 18.00/Hr. \$ 216.00 30.00 \$ 15.00/Hr. Weld Machine 2 Hrs. 1 Hr. 8.00/Hr. \$ 8.00 Cutting Rig TOTAL AMOUNT DUE \$2,826.38

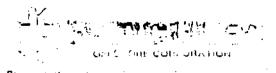
000310

HONE: (409) 233-8371

### JOB WORKSCOPE/BREAKDOWN

Job Number: _	4-5488	Date: _	4-2/-	-97	Invoice N	umber:	3853
Customer:	BASF	Barge	/MV:	ETT		_	
Travel Time:	Hours @ \$17	7.50/Hr = _	М	ileag <b>e:</b> ِ		.25/Mi =	·
Foreman:	Hours	(ST) @	\$ 38.00/	Hour	_		<del></del>
	Hours	(OT) @	\$ 53.25/	Hour			
Leadman:	Hours	(ST) 0	\$ 35.00/	Hour	_	125.	00
	3.5 Hours	(OT) @	\$ 49.50/	Hour	=	173.	<u>25</u>
Journeyman:	15 /6 Hours	(ST) @	\$ 32.50/	Hour	4875	315	00
•	10 //2 * Hours	(OT) @	\$ 45.75/	Hour	480.	320	<del>-20</del>
DISPOSAL: Slop Oil	Gallor	ns e	\$ 0.60/	Gallon			
Water	Gallor		\$ 0.35/	Gallon			
WATER:	Gallor	ıs '-@	\$ 5.00/	1,000 Ga	llons _		
MATERIAL:		Plu	ns 25%	<del></del>	<b>=</b> _		
STOCK:	49.00	Plu	us 25% /2	2.25	= _	61.2	5
CHEMIST:	300	Plu	ıs 25% <u>7</u>	5.00	<b>"</b>	<i>315</i>	,00
Compressor Air Movers Vacuum Hand Hose 2" Strip Pu 3" Gas Pump Hand Tools Weld Machin Cutting Rig Haul Out Forklift Tugboat Steam Rig Cherry Pick Crane Butterworth 4" Elec Pum Truck MATERIAL COST: Coveralls Respirator	12   Hours   Each   Hours   Each   Hours   H	e \$ 30 e \$ 12 e \$ 15 e \$ 18 e \$ 10 e \$ 1,100 e \$ 1,000 e \$ 1,000 e \$ 100 e \$ 100 e \$ 130 e \$ 130 e \$ 15 e \$ 25 a = 2	(Clove	/2 /2 /2 2// 30 30 8 eries es/Rbr	2 @ 3. @ 3.	.00 Ea.=	600
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		aiter conditions in pipe lines, tand inspection and endorsement or re- appurtanences shall be considere	ts or compartments subject to yes acc lasse of Contificate for the spaces on a d'inot safe' unices otherwise apecific atai lat, paraphresed from NFPA 305 Subsectio	cumulation, unless specifically ap- ifiested. All lines, vents, heating c- ally designated.	proved in this Certificate, requires olfs, valves, and similarly enclosed
		in the atmosphere are within permissible co- as directed on the Marme Chemist's Certifi		lable of producing losse materials under exist	ng amosphero conditions while maintained
			n the compartment or space so designated, the r I in any compartment or space so designated, and		
		or where external hot work at to be perform in the residues are not capable of producing	compartment to designated (a) oxygen content of ned, and that, (b) the concentration of faminable g a higher concentration than permitted by (b) alon ttl, and further, that, (d) all adjacent solects con	mananais in the aithospheré is betow 10 pe Ne under existing almospheric conditions in	rcent of the lower flammable kmic, and ther this presence of fire, and while maintained as
		sufficiently to prevent the apread of fire, or ar the Manne Chemist's requirements.	e sessactor ey memod, or, in the case of fuel tanks in the compariment so designated, the reduirem	or lube oil tanks, or engine more or fire room	bilges, have been treated in accordance with
		SAFE FOR REPAIR YARD ENTRY Means sampling stations, and results indicate the	I that the compartments and spaces of the Ramma atmosphere tested to be above 19.5 percent dry entry that i have personally determined that all st	lable cryogenic liquid carrier so designated igen, and less than 10 percent of the lower	(a) have been tested by sampling at remote. Rammable tims, or  b  are inerted.
		Vessel a simulational file condition of as Vessel and have lound the condition of as The unpregned adminishing recept of the Conti- undersends conditions and emissions under which it we	ach to be in accordance with its assigned design time under Section 2-6 or NFPA 306 and	Nation his Centricate is beaution contribute excitory at the	lefts the inspection herein see look was compiled to instructions
		Served Caduata Duar		V. And	0.0
			NOTE: THIS CERTIFICATE IS VAL	D ONLY ON MARINE VESSELS	Provided in 1
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#### FINAL CHECK LIST

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## DECLARATION OF INSPECTION PRIOR TO DULK CARGO TRANSFER

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## HTTTEDA COMMINICATION MATRICEM

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Duto 11-21-97	
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The following listed materials are con- working in this areas at	oldered to be hererdous to the weplo
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(1-202-183-761 & QUISIDE THE DE MENTAL U.S. AND IN WAS MUT D.C.) EMERGENCY RESPONSE INFORMATION SHEET

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C. 12912

N-BUTANOL

FORM: LIQUID, CLEAR

SPECIFIC GRAVITY: 0.8

SOLUBILITY IN WATER: MIXES SLICHTLY

FREEZING POINT: -128°F BOILING POINT: 243.9°F

FLADUABLE LIMITS: 1.4% - 11.2%

VAPOR HAZARD: FLANDIABLE.

IRRITATING.

REACTS WITH: OXIDIZING MATERIALS.

COPPER AND ITS ALLOYS.

FLASH POINT: 07 F (TOC) 'H HAZARDS

ANIMAL: AVOID INCESTION. AVOID EXPOSURE.

FISH: AVOID ENTRY INTO NATURAL WATERS. MAY CAUSE LOCALIZED FISH KILL.

EYES: MODERATE BURN. MODERATE IRRITATION.

SKIN: MODERATE IRRITATION; TOXIC BY ABSORPTION UPON GROSS CONTACT. INMALATION: SLIGHTLY IRRITATING. DROWSINESS, UNCONSCIOUSNESS.

INGESTION: LOW TOXICITY.

FLAMMABLE. IRRITATING. KEEP UPWIND. ISOLATE AREA AND DENY ENTRY. DO NOT GET IN EYES. AVOID CONTACT WITH SKIN. AVOID BREATHING VAPORS. USE WATER SPRAY TO REDUCE VAPOR. NO SMOKING, FLARES, OR OPEN FLAMES. SHUT OFF IGNITION AND LEAK IF WITHOUT RISK. USE NONCOMBUSTIBLE ABSORBENT MATER AL/SAND AND SHOVEL INTO SUITABLE CONTAINERS. DIKE LARGER SPILLS AND RECOVER. AVOID ENTRY INTO SEWERS AND/OR NATURAL

WATERS.

CLOTHING: WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BORATHING APPARATUS.

DISPOSAL. CONTACT MANUFACTURER AND UTUODITIES

FLAMMABLE. IRRITATING.

DO NOT PUT OUT ANY FIRES AT VENTS UNTIL LEAK IS SHUT OFF. MAY DECOMPOSE IN HEAT/FIRE RELEASING PRODUCTS OF GREATER HAZARD. COOL CONTAINERS EXPOSED TO HEAT/FIRE WITH WATER TO PREVENT BUPSTING.

SMALL FIRES: USE DRY CHEMICAL OR CO2.

LARGE FIRES: USE WATER SPRAY, FOG, OR ALCOHOL FOAM. IF MASSIVE FIRE: USE UNHANNED HOSE HOLDER OR MONITOR NOZZLES. IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN. DIKE LIQUID RUN-OFF.

AVOID FYIRY INTO SEWERS AND/OR NATURAL WATERS.

EYES: IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 13 MINUTES. CONSULT MEDICAL PERSONNEL. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING. CONSULT MEDICAL PERSONNEL.

CLOTHING: REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH BEFORE REUSE. DESTROY CONTAMINATED SHOES AND LEATHER IT MS.

INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT MEDICAL

PERSONNEL.

000316

The information contained herein is hereby presented as a complimentary act, in good faith, and is, to the best of The Dow Chemics. Company's knowledge and belief, accurate and tallating a supply as a complete or warranty is made as 10 its accuracy, reliability as completeness and, as Governmental regulations and the definitions in the completeness and suitability for specific and uses prior to use, the completeness and suitability for specific and uses prior to use, the completeness and suitability for specific and uses prior to use, the completeness and suitability for specific and uses prior to use, the completeness and suitability for specific and uses prior to use, the completeness and suitability for specific and uses prior to use.

DOW CHEMICAL U.S.A.

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TRODUCT Normal Button	AL	The Marketine	レン・フノ・フォー
71 P	13.100	DY LEAST COUNTEL	-1/03
TANAMIC PETRUCTION BY.	AMOUNT STREPPED	. Gon Ell.	-1-11/190
CLEANING PROTECTION BY: 52 COMMETTED SCHIDULE BY: 52 OVERTIME ANTONORUM BY: 52	ZEITE		/
OVERTIVE TRAVERSE	ZKITE		
AARON THERMAN			
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MIS.	Intertek	esting	Services
	Caleb Brett		

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OUR REFERENCE	 

VESSEL ETT	-112		99990 Cyclohexani E Hecules Free poet 4-21-97	
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For Vessel

END CALED BOETT

FORM # 2:044:97

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# Intertek Testing Services Caleb Brett

**VISUAL TANK INSPECTION REPORT** 

SUM MEPERANCE	

ETT-11Z		99.9910 Cycle		HERCUK	5-FEEEpoe	TX ONT	4-21-97	
Tank Number		1,2,30entar						
Tank Coating		Mild Steel				<u> </u>		
Last Cargo		Cyclo				 		
Second Last Cargo		Cyclo						
Third Last Cargo		Cyclo						
Time/Date Inspected		HZIAZEMIO						
Visual Cleanlines Accep	oled/Rejected*							
Reason for Rejection								
Method said to have been used to clean tanks:	TK#1,23C TK# TK# TK# TK# TK#	ALLTANKS	AND lines	were Stri	ppeo + Blo	nu DU		

Information regarding previous cargoes, tank coating and cleaning method was obtained from vessel personnel and cannot be guaranteed as accurate by Caleb Bre and no liability can be assumed for errors resulting from improper information supplied. This report, of necessity, is based on such information.

\* The cleanliness of inspected tank(s) is/are based on visual inspection of tank surfaces and line system at accessible areas only. This document does not cover the cleanliness of tank surfaces and line system at inaccessible spots and/or possible release of components of previous cargoes during loading, discharge or transport of the cargo in question, for which the vessel is fully responsible. Suitability of tank coating for intended cargo must be quaranteed by vessel's owner or by suppliers of the coating.

FOR CALEB BRETT

Form # 2-056-97

### HERCULES OFFSHORE CO. INVOICE NO. MARINE OPERATIONS - ACILITY MARINE REPAIR CLETOHER P.O. \_ ORDER No. \_\_\_\_4-5488 Ç 0800 4-24-97 BAST D ----0 E FREEPORT, TX Ε R 4284XX ETT 112 SUZEITE STOCK MATERIAL □ Y 5.0 □ NO IF YES, COMPLETE STOCK MATERIAL TRANSPER TICKET DUARTE OUTSIDE SERVICES T YES GAS FREEING NO CERTIFICATE REQUIRED Y 52 🗍 HAUL OUT FOR INSPECTION AND REPAIR NO [] ON WAYS DATE: ON WAYS ITEM NUMBERS 4-21-3:30 P.M. 2 3

10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

000320

\_\_\_\_ Date: <u>41-21-92</u>

BASF 04/27/97

- 4-5497 ETT 112	BASF 4-27-96	_
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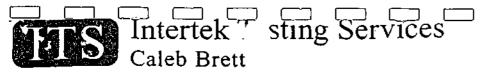
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	PRODUCT W. BUTTONC CYCLOREXINE	DATE/THE COMPLETED 299
	DISPOSAL AMOUNT 350 AHOUNT STRIPPED 25	
	CLEANING INSTRUCTION BY: Robert Doters	BY:
	COMPLETION SCHEDULE BY:	
	OVERTIME AUTHORIZED BY: Robert Perters	<u> </u>
	BARCE INSPECTED BY: DU AY TE	· ·
	MARCE RELFASED TO:	DATE/TOHE:
	DEEPWELL OPENED: YES NO CLOSED BY N	EW CASKET YES NO
	BELOW DECK CARCO PIPELINE: BLIND OPEN YES NO	CLOSED BY CALLET
	DECK CHECK VALVE OPENED: YES NO CLOSED BY	HEM CYZKEL AE NO
	DECK HEADER BLINDS OPEN: YES NO CLOSED BY CA	NEW CASKET
:	DECK MEADER DRAIN PLUC OPEN, YES NO. CLOSED BY	~ <u> </u>
	VAPOR RECOVERY HEADER OPENED: YES NO CLOSED BY	CYUZ NEW CASKET _
	RUST SCALE: YESNOWASHED OUTBUCKETED	
	THUMBER OF CARGO TANGES 3	
	CHAIN A DE DESAR PAINTS GOD	
	ILLE BUIK STRIPPED: YES N/A NO PIDE FRESS	URE TEST DATE:
	DRIP PANS STRIPPED: YES NO	
	WEATHER: TEMP & RAIN FOC HUMIDITY OVER	CLOUDYCLEAR
	PIPELINE WASHED: 70 PIPELINE BLOWN #65 PIPELINE S	SUMPS INSPECTED
	BOW RAKE CHECKED: YES NO STERN RA	KE: YES NO
	70 DS: YES NO SAFETY EQUIPMENT US	ED:
		******************
	NOTICE	
have two cap ins	I barges cleaned for BASF will be inspected by Caleb B we paperwork for the Hercules foreman in charge to sign copies in the document mail box. One copy will stay btain of the tugboat that is picking up the barge will spection is completed and documentation is in the mail significant representative must be contacted.	n. The forman will put in the mailbox, and the not be called until
Ins	pected 5 /17/97 1720_	1740
	Time In	Time Out
Ins	pected 5 /12/97 1720- Time In pected By Railei Bimill-Caleb DOETT	

NO BASE BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALEB BREIT HAS SIGNED THE RELEASE PAPERS. CALEB BREIT WILL BE GIVEN A COPY OF THIS FORM.

-	Intertek Testing Caleb Brett	Service
-	Caleb Brett	VICIIA

OUR REFERENCE	

Tank Number Tank Coating Last Cargo Second Last Cargo I hird Last Cargo	1230 Milds Cycl Cycl	decl_						
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Time (Date Income)	1 (1 -	انا			<del> </del>			· · · · · · · · · · · · · · · · · · ·
Time/Date Inspected	5.2.9							-
Visual Cleanliness Accepted/		1/ 1152				<del> </del>		<del> </del> -
Reason for Rejection							<u> </u>	
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to clean tanks:	ΓK#		·······		•			
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Information regarding previous and no liability can be assumed.  The cleanliness of insperation to the cargo in or by suppliers of the cargo.	med for errors resultinected tank(s) is/are be surfaces and line sy a question, for which	ng from improper based on visual stem at inacces	er information si inspection of to ssible spots an	upplied. This rep ank surfaces and d/or possible re	oort, of necessity, ad line system at lease of compone	is based on s accessible are ents of previo	uch information. eas only. This documer us cargoes during load	nt does not cover ling, discharge or



OUR REFERENCE

## TIME LOG

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FORM # 2:044:97

## BASF

## BASF WEEKEND BARGE SCHEDULE

DATE	18–Apr–97 –	11:38 AM
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ETT 110: Empty (Clean) at W/F. Hold until further notice.	
ETT 112: Loaded (Koch 3) at W/F. Spot at dock after the ETT 114 has completed discharging (CPL) will need to be gauged and sampled. Barge will discharge 0730 Saturday. Barge will be ballasted while discharged. Take to W/F after discharge is complete, as soon as tide allows. Brown Water IV will take	le being
for deballasting Monday 0800. * Priority 1 / # Prio	
ETT 113: Empty (Cyclohexane) enroute to Corpus to load (Koch 4), via Brown Water VI. Hold at W/f to Freeport.	
ETT 114: Partially loaded (1,503,532 lbs. of CPLX) at B-1 Wall. Spot at West (Hexane) End of dock	at 1730
today. Barge will need to be gauged and sampled. Will complete discharging 1800. Barge will be ball	
being discharged. Take to W/F after discharge is complete, as soon as tide allows. Brown Water IV w	
Hercules for deballasting, then to Stantran to load (2.8 M lbs. of CPLX). Spot at dock after the ETT 11	
completed discharging. Barge will need to be gauged and sampled. Barge will discharge 0730 Monda	
# Priority 1 / * Prio	ority 4
ETT 115: Loaded (Citgo 2) enroute to Freeport, via Brown Canal. ETA Freeport 1600 Saturday. Sponsor the ETT 112 has completed discharging. Barge will need to be gauged and sampled. Barge will 1200 Sunday. Barge will be ballasted while being discharged. Take to W/F after discharge is complete.	discharge e, as soon
as tide allows. Brown Canal will take to Hercules 0800 Monday for deballasting, then to Phillips to loa	
(Phillips 5). * Priority 3 / # Prior	ority 5
CCI 75: Discharging (All Oleum) at dock. Take to W/F after discharge is complete. Tug Javalina is	
standing by. #	Priority 2
	1 11011ty Z
SCC 106: Loaded (All Acid) at W/F. Spot at dock after the SCC 104 has completed discharging. Bar	
\ <u></u>	ge will
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discharge 0730 Monday.	ge will
discharge 0730 Monday.  * SCC 80: Loading (All Oleum) at Rhone-Poulenc.	ge will Priority 5
discharge 0730 Monday.  SCC 80: Loading (All Oleum) at Rhone-Poulenc.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after the CCI 75 has completed discharging. Bar	ge will Priority 5
discharge 0730 Monday.  SCC 80: Loading (All Oleum) at Rhone-Poulenc.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after the CCI 75 has completed discharging. Bar discharge 0730 Sunday. Take to W/F after discharge is complete. Hold for Tug Javalina.  * Priority 2 / # Priority 3 / # Priority 2 / # Priority 3 / # Prior	ge will Priority 5
discharge 0730 Monday.  SCC 80: Loading (All Oleum) at Rhone-Poulenc.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after the CCI 75 has completed discharging. Bar discharge 0730 Sunday. Take to W/F after discharge is complete. Hold for Tug Javalina.  * Priority 2 / # Priority to dock	ge will Priority 5
discharge 0730 Monday.  SCC 80: Loading (All Oleum) at Rhone-Poulenc.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after the CCI 75 has completed discharging. Bar discharge 0730 Sunday. Take to W/F after discharge is complete. Hold for Tug Javalina.  * Priority 2 / # Priority 3 / # Priority 2 / # Priority 3 / # Prior	ge will Priority 5
discharge 0730 Monday.  SCC 80: Loading (All Oleum) at Rhone-Poulenc.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after the CCI 75 has completed discharging. Bar discharge 0730 Sunday. Take to W/F after discharge is complete. Hold for Tug Javalina.  * Priority 2 / # Priority 2 / # Priority out to skimmer gate	ge will Priority 5
discharge 0730 Monday.  SCC 80: Loading (All Oleum) at Rhone-Poulenc.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after the CCI 75 has completed discharging. Bar discharge 0730 Sunday. Take to W/F after discharge is complete. Hold for Tug Javalina.  * Priority 2 / # Priority 2 / # Priority out to skimmer gate  # - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.  For any further information please contact:	ge will Priority 5

### **BASF** Corporation

## **BASF**

## BASF BARGE SCHEDULE

	DAT	E	21-Apr-97	7 –		11:26 AM	
ETT 110:	Empty (C	lean) at	W/F. Brown Wa	ter VI w	ill takı	e to Corpus to load (Citgo 3) on	04/24/97.
ETT 112:	Empty (C	<del></del>	ne) at Hercules	being re	paire	d and deballasted. Brown Canal	will take to
Corpus to	load (Rocal	. Jj.					
ETT 113:	Loaded (I	Koch 4)	enroute to Free	port, via	Brow	n Water VI, ETA 2100. Spot at o	
Barge will	need to be	gauged	and sampled.	Barge wi	ill disc	charge 0730 Tuesday.	* Priority 1
ETT 114:	Partially I	oaded (	1,503,532 lbs. c	f CPLX)	at do	ck. Move to B-1 Wall and hold i	until further notice.
ETT 115:	Empty (C			ws being	deba	allasted. Brown Canal will take t	o Phillips to load
(Primitys 5)	) at 1300 to	оау. по	iu ai vvir.	····			<del></del> .
CCI 75:	Empty (A	II Oleum	) enroute to Rh	one-Pot	ılenc.		
SCC 106:	Discharg	ing (All A	Acid) at dock. Ta	ake to W	//F afe	etr discharge is complete. Hold f	or Tug Javalina.
	<u> </u>		<u> </u>				# Priority 1
SCC 80:	Ti padad /	All Olour	n) at M/E Saat	at dock	after	the SCC 106 has completed dis	charging Paras will
	0730 Tues		ii) at W/F. Spot	at dock	aitei	the SCC TOO has completed dis	* Priority 2
Gischarge	0/30 rues	oay.					7 HOTHLY 2
SCC 108:	Loaded (	All Acid)	at W/F. Hold ur	ntil furthe	er not	ice.	
SCC 104:	Empty (A	II Oleum	) enroute to Rh	one-Pou	ulenc.		
* - Pric	ority to	dock					
# - Pric	ority out	to sk	immer gate	•			
# - All	priority	barge	s taken to	dock s	shou	ıld go to skimmer gate	as
	•	-	er work is d				
For any fu Robert G.			ease contact: 238-6161				
Suzette Jo	ohnson	Office	: 238-8409				

BAST	Co	TDO	rat	on-
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## BASF

## BASF BARGE SCHEDULE

DATE 23-Apr-97 - 11:31 AM

ETT 110: Empty (Clean) at Rockport. Brown Water VI is having minor maintenance repairs. Will go to Corpus
04/25/97 to load (Citgo 3).
ETT 112: Empty (Cyclohexane) at Rockport for Crew change, via Brown Canal. Will go to Corpus to load (Koch 5) after crew change and return to Freeport.
ETT 113: Empty (Cyclohexane) at W/F. Brown Water IV will take to Hercules for a Strip and Blow Dry, then return to W/F. Hold at W/F until further notice.
ETT 114: Loaded (2.8 M lbs. of CPLX) at B-1 Wall. Hold until further notice.
ETT 115: Discharging (Phillips 5) at dock. Take to W/F after discharge is complete on Low tide 2200
tonight. # Priority 1
CCI 75: Loaded (All Oleum) at Rhone-Poulenc.
SCC 106: Empty (All Acid) at W/F. Hold for Tug Javalina
SCC 80: Empty (All Oleum) at W/F. Hold for Tug Javalina.
SCC 108: Loaded (All Acid) at W/F. Spot at dock today. Barge will discharge 0730 Thursday. * Priority 1
SCC 104: Loaded (All Oleum) at Rhone-Poulenc.
* - Priority to dock
# - Priority out to skimmer gate
# - All priority barges taken to dock should go to skimmer gate as
soon as possible after work is complete.
For any further information please contact:  Robert G. Peters Office: 238–6161
Suzette Johnson Office: 238–8409

## BASF

## BASF WEEKEND BARGE SCHEDULE

DATE 25-Apr-97 - 04:21 PM

ETT 110: Loaded (Citgo 3) enroute to Freeport, via Brown Water VI. Spot at dock after the ETT 113 has
completed loading (Anolon). Barge will need to be gauged and sampled. Barge will discharge 0730 Sunday. Take
to W/F on Low tide 0100 Monday. Brown Water VI will take to Corpus to load (Citgo 4) on 04/29/97.
* Priority 3 / # Priority 5
ETT 112: Loaded (Koch 5) enroute. Spot at dock upon arrival. Crew will be standing by to discharge. Take to
W/F after discharge is complete. Brown Water VI will take to Corpus to load (Koch 6) on 04/28/97 # Priority 1
ETT 113: Empty at W/F Spot on B-1 Wall as soon as low tide will permit. Spot at dock after the ETT 112 has
completed discharge. Barge will need to be gauged and sampled. Will load (2.2 M lbs. of Anolon) 0730 Saturday.
Take to W/F as soon as discharge is complete and the tide permits. Brown Water IV will take to Stantran for
discharge at 0800 Sunday. Hold at W/F upon return to Freeport.  * Priority 1 / # Priority 3
ETT 114: Loaded (2.8 M lbs. of CPLX) at B-1 Walf. Hold until further notice.
ETT 115: Empty at W/F. Brown Canal to load at Phillips (Phillips 6). Spot at dock after the ETT 110 has
completed discharge Sunday. Barge will need to be gauged and sampled. Will discharge 0730 Monday.
* Priority 4
CCI 75: Discharging (All Oleum) at dock. Take to W/F after discharge is complete. Hold for Tug Javalina.
# Priority 2
SCC 106: Loading (All Acid) at Rhone-Poulenc. Upon return to Freeport, spot at dock after the SCC 104 has
SCC 106: Loading (All Acid) at Rhone-Poulenc. Upon return to Freeport, spot at dock after the SCC 104 has completed discharging. Barge will discharge 0730 Monday.  * Priority 5
completed discharging. Barge will discharge 0730 Monday. * Priority 5
completed discharging. Barge will discharge 0730 Monday.  * Priority 5  SCC 80: Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge
completed discharging. Barge will discharge 0730 Monday.  * Priority 5  SCC 80: Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge 0730 Saturday. Take to W/F after discharge is complete. Hold for Tug Javalina.
completed discharging. Barge will discharge 0730 Monday.  * Priority 5  SCC 80: Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge
completed discharging. Barge will discharge 0730 Monday.  * Priority 5  SCC 80: Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge 0730 Saturday. Take to W/F after discharge is complete. Hold for Tug Javalina.
completed discharging. Barge will discharge 0730 Monday.  * Priority 5  SCC 80: Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge 0730 Saturday. Take to W/F after discharge is complete. Hold for Tug Javalina.  * Priority 2 / # Priority 4
completed discharging. Barge will discharge 0730 Monday.  * Priority 5  SCC 80: Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge 0730 Saturday. Take to W/F after discharge is complete. Hold for Tug Javalina.  * Priority 2 / # Priority 4  * Priority to dock
completed discharging. Barge will discharge 0730 Monday.  * Priority 5  SCC 80: Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge 0730 Saturday. Take to W/F after discharge is complete. Hold for Tug Javalina.  * Priority 2 / # Priority 4  * - Priority to dock # - Priority out to skimmer gate
completed discharging. Barge will discharge 0730 Monday.  ** Priority 5  SCC 80: Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge 0730 Saturday. Take to W/F after discharge is complete. Hold for Tug Javalina.  ** Priority 2 / # Priority 4  *- Priority to dock #- Priority out to skimmer gate #- All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.  For any further information please contact:
completed discharging. Barge will discharge 0730 Monday.  * Priority 5  SCC 80: Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.  SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.  SCC 104: Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge 0730 Saturday. Take to W/F after discharge is complete. Hold for Tug Javalina.  * Priority 2 / # Priority 4  * - Priority to dock # - Priority out to skimmer gate # - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.

## BASF BARGE SCHEDULE

DATE 28-Apr-97 - 11:36 AM

ETT 110: Empty (0	Cyclohexane) enroute to (	Corpus to load (Koch 6), via Brown Canal, E	TA Corpus 0600
	k will not be available un	til 1600 Tuesday. Barge will load at this time	and return to
Freeport.			
ETT 112: Empty (C	Cyclohexane) at Hercules	being repaired.	
ETT 113: Empty (A	Anolon) enroute to Freepo	ort, via Brown Water IV. Barge will go to Her	cules for Hot Chemical
	(2.8 M lbs. of CPLX) at B	-1 Wall. Spot at dock after the ETT 115 has	completed discharging.
Barge will need to b	e gauged and sampled. V	Will partially discharge 0730 Tuesday.	* Priority 1
ETT 115: Discharg	ging (Phillips 6) at dock. T	Take to W/F after discharge is complete on L	ow tide 0200 Tuesday.
Brown Water VI will	take to Phillips to load (P	Phillips 4).	# Priority 1
CCI 75: Empty (A	All Oleum) at W/F. Hold fo	or Tug Javalina.	
SCC 106: Discharg	ging (All Acid) at dock, Ta	ke to W/F after discharge is complete. Hold	for Tug Javalina.
			# Priority 2
SCC 80: Loaded	(All Oleum) at W/F. Spot	at dock after the SCC 106 has completed dis	
will discharge 0730	Tuesday.		* Priority 2
SCC 108: Empty (A	All Acid) at W/F. Hold for	Tug Javalina.	
SCC 104: Empty (A	All Oleum) at W/F. Hold fo	or Tug Javalina.	
* - Priority to	dock		
# - Priority ou	t to skimmer gate		
# - All priority	barges taken to d	dock should go to skimmer gate	e as
soon as possil	ole after work is c	omplete.	
For any further information Robert G. Peters	mation please contact: Office: 238-6161		
Suzette Johnson	Office: 238-8409		

#### JOICE NO. 3853 DATE 4-21-97 Drawer O • Freeport, Texas 77541 Job No. 4-5488 Location Freeport, TX BASF PLEASE REMIT PAYMENTS TO: 602 Copper Road 11011 RICHMOND Freeport, Texas 77541 SUITE 500 HOUSTON, TX. 77042 : Net 30 Terms Services to the ETT 112 as follows: Strip and blow dry. Deballast wing tank #4 and bow rake. Weld two fractures, one on stern box and one on bow rake. Weld dog back on wing tank hatch cover. Ø 175.00 35.00 (ST) LABOR: Leadman 5 Hrs. \$ 173.25 Leadman 3.5 Hrs. 9 49.50 (OT) \$ 487.50 @ 32.50 (ST) Journeyman 15 Hrs. 45.75 (OT) 480.38 a Journeyman 10.5 Hrs. \$ 12.25 61.25 Plus 25% \$49.00 STOCK: 375.00 75.00 \$300.00 Plus 25% CHEMIST: 48.00/Hr. 384.00 8 Hrs. EQUIPMENT: Compressor 5.00/Hr. \$ 160.00 9 Air Movers 32 Hrs. 120.00 0 30.00/Hr. Vacuum 4 Hrs. 12.00/Hr. \$ 36.00 @ Hand Hose 3 Hrs. 120.00 \$ 0 15.00/Hr. 2" Strip Pmp 8 Hrs. 3" Gas Pump 12 Hrs. @ 18.00/Hr. \$ 216.00 \$ Weld Machine 2 Hrs. @ 15.00/Hr. 30.00 \$ Cutting Rig 1 Hr. 8.00/Hr. 8.00

000335

\$2,826.38

2HONE: (409) 233-6371

TOTAL AMOUNT DUE

	BARGE CLEANING REPORT - Tolder Committee Commi
	· 100 110 · W 5-4 77
	140CV NO. 15 TT 1/2
	DATE/THE AUGUVAL 4-21-97/020  DATE/THE STATED 921-97/0200
	PRODUCT NORMAL BUTONAL DATE/YOHE COMPLETE Y 21-91/1900
	AMOUNT STRUPPED
	CLEANING PROTRUCTION BY: 50 zerte
	OVERTIME AUTHORIZED BY:
	MARCE INSPECTED BY: CHARLIE DATE/TORE: 9-21-97/19-06
	BARCE RELEASED TO: BROWN WATER TV DATE/THE:
	DECRUELL OPENED: YES ZENO CLOSED BY NEW CASKET YES NO
	BELOW DECK CARGO PIPELINE: BLIND OPEN YES MA NO CLOSED BY NO CACKET
	DECK CHECK VALVE OPENED: YES NO CLOSED BY JOHN HER CASKET
	DECK HEADER BLINGS OPEN: 425 INSPECTED BY CALER DREPT
	DECK HEADER DRAIGH PLUC OPEN: YES NO CLOSED BY WAR
	VAHOR RECOVERY WEADER OPENED: YES NO CLOSED BY down NEW CASKET
	Yes and the second of the seco
	RUST SCALE: YES NO WASHED OUT BUCKETED OUT
	NUMBER OF CARCY TANKS. 3
	CONDITION OF CARCO VAINES 5000
	SLOP TANK STRIPTED: YES NO NO
	DRIP PANS MARRIPED: YES NO NO PRATHER: SUMP BORAIN FOR HEALDITY OVERCAST CLOUDY CLOUR
	PIDELINE WILLIED: NO PIPELINE BLOWN 425 THOPSOFFD BY CATED BREET
	BOW RATE CHECKED: YES HO STERN RANGE YES NO
	VOIDS: YES NO SAFETY EQUIPMENT USED:
	SOME THE LIED YES
	· · · · · · · · · · · · · · · · · · ·
į	NOTICE
	All horges cleaned for hims will be inspected by Caleb Bratt. The improvor will have papermork for the Hercelon forenum in charge to sign. The formum will put two copies in the document mail how. One copy will stay in the mailton, and the expense of the tophoat that in picking up the burge will not be called until improvious in completed and determination is in the mailbox. If may problems, PASE logistics representative most be consected.
	Inspected 4 12 197 197 1900 1920
	Winso In Physics Call
\	Inspector by Charlie Beniell-Caleb BRET
1	000000
	NO PROFESIONS PARTIES. CRIEB BRENT WILL BE CHARM A COPY OF THE LOCAL PROFESION.

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## HTTTDDR COIDMHIGHTON HAMMINTOD

· · · · · · · · · · · · · · · · · · ·	1910.1200
KHLIOARK HTT.T.DOOR H	TARTITI ARYINING DROCKIN
Date 11 - 21 - 97	Supervisor O Presen Presto
Plant/+ercules	Clione Safety
Art Free Dock	
The following Hated materials are co	maldared to be heardous to the meploys
working in this armany.	
N-BUTDHOL	
· ·	
7.58	
I have received the straining listed about	Hoved in case of an accidental exposure.  Ove and will so designate by signing this
NAME BADCE	нане падсе
Leven Queiten	<u>.</u>
Lase Con-	
Lean River:	A
The state of the s	*
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JOB NO. 5494	
MARCE NO. Ett= 1/3	DATE/TIME ARRIVALU-23-87:1:-
CUSTOHER 13.45F	DATE/THE STARTED4-22-87-/2
PRODUCT N. BUTAHOL	DATE/TIME ARRIVAL <u>U-23-87-12-</u> DATE/TIME STARTED <u>U-23-87-12-</u> DATE/TIME COMPLETED <u>U-23-87-12-</u>
DISPOSAL AMOUNT	AMOUNT STRIPPED 200
CLEANING INSTRUCTION BY: Rob.	ert paters BY:
COMPLETION SCHEDULE BY:	
OVERTIME AUTHORIZED BY: Rober	t Peters
BARGE INSPECTED BY:	Questo DATE/TIME: 67.30
DARGE RELEASED TO: Brow W	ATT (1) DATE/TIME:
DESPUELL' OPENED: YES YA NO	CLOSED BY NEW CASKET YES NO
BELOW DECK CARGO PIPELINE: BLIM	D OPEN YES NO CLOSED BYCHENNEW CACHET
. ( /	· · · · · · · · · · · · · · · · · · ·
DECY CHECK ANTAR OLDUSTI: AERNA	NO CLOSED BY NEW CASKET YES NO
DECK HEADER BLINDS OPEN: YES	NO CLOSED BY CASAS NEW CASKET
DECK HEADER DRAIN PLUC OPEN: YES	NO CLOSED BY CASAS
	YES / NO CLOSED BY CAUZ NEW CASKET
SEMETE OF COOR TISTE 7	HED OUTBUCKETED OUT
000 21VLA	
•	C PTPE PRESSURE TEST DATE:
DRIP PANS STRIPPED: YES2	<del></del>
	#UMIDITY OVERCAST CLOUDY CLEAR BLOWN ### PIPELINE SUMPS INSPECTED
•	——————————————————————————————————————
70 DS: YES 100	SAFETY EQUIPMENT USED:
	J. 171 14011. 1011
· · · · · · · · · · · · · · · · · · ·	TO TO T
	NOTICE
have paperwork for the Hercules fore two copies in the document mail box captain of the tugboat that is pick:	inspected by Caleb Brett. The inspector will eman in charge to sign. The forman will put. One copy will stay in the mailbox, and the ing up the barge will not be called until
logistics representative must be cor	tation is in the mailbox. If any problems, BASF ntacted.
Inspected Apaci 123 1/997	1830 1960 Time In Time Cut
Inspected By July -	
NO BASF BARGE THAT HAS BEEN CLEANED THE RELEASE PAPERS. CALEB BRETT WIL	WILL BE RELEASED UNTIL CALEB BRETT HAS SIGNED L BE GIVEN A COPY OF THIS FORM.

Page 1 of	f
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	(
SS HAZLIM	OPPINITE TION HATTINGTON
	DIFA 1910.1200
	DI MATALLA TEMINING PROCERN
Date 11-23-97	Supervisor Often Punt
Plans Her CULES MATINE	Client Safety
My July S Free Dock	
The following listed materials are	s considered to be hazardous to the suppley
working in this areas of	A
N-BUTANOL	
	followed in case of an accidental exposur
	I above and will so designare by signing th
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Regard Cry	
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## HERCULES OFFSHORE CO.

	ARINE REP RDER No			MARINE OPE	RATIO	NS F	ACILITY	CUS TOME!		
D	4-23-97		11:	30 a.m.		CUS	BASE			
A T E	COMPLETION DATE					T O M	FREE	ORT, TX		
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60		ETF 113	IBTH			51	SUZETTE OCK MATERIAL	· D	YES	
	REMAN	<u> </u>				01	YES, COMPLETE S	TOCK MATE	<u> </u>	TRAN
G.A	S FREEING NO	CERTIF	ICATE REQUI	RED NO			YES, LIST			
HA	UL OUT FOR INSPE	CTION AND RE	PAIR YE	s [] NO []					<del></del>	
-	WAYS	,,	DATE:		=		<u></u>	<del></del>	<del></del>	, <u>.</u>
				ITE	EM NUI	MBE	RS			
1	STRIP AND	BLOW DRY	RELEAS	E TO BROWN	WATE	R 17	<i>J</i> .	- 		
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1014	WAYS UAIE:
·	ITEM NUMBERS
	STRIP AND BLOW DRY. RELEASE TO BROWN WATER IV.
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THIS	SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.
Signe	s: Claude Duct Date: 4-23-97
	en de servicio de la companya de la

BASF 03/06/97

BASF 3-6-97

- 3-5431 EIT 112

	ARINE SERVICES CORPORATION					3797
	wer O • Freeport, Texas				March 6, 1997	
					Job No. :	3-5431
					Location :	Freeport, TX
₹ <b>0</b> :	BASF 602 Copper Roa Freeport, Texa				PLEASE REMIT 11011 RICHN SUITE 500 HOUSTON, T)	
		_			Terms :	Net 30
FOR:	Service to the	e ETT 112 as follo	ows:			
-	Ballast	ading truck (6) on wing tank #4 to lo d blow dry one pu	evel out barge			
	LABOR:	Leadman	12 Hrs.	6	35.00(ST)	\$ 420.00
		Leadman Journeyman	4 Hrs. 23.5 Hrs.	e e	49.50(OT) 32.50(ST)	\$ 198.00 \$ 763.75
		Journeyman	4 Hrs.	6	45.75 (OT)	\$ 183.00
	STOCK:	\$45.00	Plus 25%	e e	11.25	\$ 56.25
	EQUIPMENT:	Compressor	5 Hrs.	e	48.00/Hr.	\$ 240.00
		Air Movers Vacuum	20 Hrs. 3 Hrs.	<b>e</b> e	5.00/Hr. 30.00/Hr.	\$ 100.00 \$ 90.00
		Hand Hose	3 Hrs.	ē	12.00/Hr.	\$ 36.00
		2" Strip Pump	3 Hrs.	<del>6</del>	15.00/Hr.	\$ 45.00
				TOTAL	AMOUNT DUE	\$ 2,132.00
						•
					<b> </b>	·
					ļ:	
						000343

Strength through Experience, Equipment, Know-How

PHONE: (409) 233-6371

## DAILY TIME LOG

DATE:	3-	6-9	7	CUSTOMER:	1329	F	
OB NO:	543			BARGE:		=112	
TART TIM	Œ <i>9-00</i>	AM		STOP TIM			
NAME	<del></del>	HOURS	TOTAL HOURS	NAME		HOURS	TOTAL HOURS
(Plane)	2:	5	5		-		
Curo	· · · · · · · · · · · · · · · · · · ·	5	5				
Claud Cour Piver Diver		5	5				
River	<u> </u>	5	5		<u> </u>		
Quin!	low_	5	5	-			
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MATERIA	L LIST:						
IOD DESC	יסומיי	r.					
JOB DESC	KIP HON	Blow	Dry ,	1 Bump	out.	wf #1,2	,3,4
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				ho			000344

## DAILY TIME LOG

DATE:	3-7	7-97		L	OMER:	BA5	<i>E</i>	
JOB NO:	543	3/		BARC	E:	Ext=	E -//2	
START TIM	IE <u>/ ΄ ου</u>	PM.		STO	P TIM	Œ <u>.8</u> .3		
NAME		HOURS	TOTAL HOURS	N/	ME		HOURS	TOTAL HOURS
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Ahud Rive Sam	ــــــــــــــــــــــــــــــــــــــ	43/2	71/2					
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MATERIA	L LIST:							
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<del></del>			18:	5	)	<del></del>		000345



Strength through environmental awareness and customer service

P.O. Driver O Flushest, Tuxus 775-11

Office (409) 233-6371 Fas. (409) 209-0075 . .= •

Date 13-6-87 Job No: \_ BurgeNV: <u>T=+t=1/2</u>

EQUIPMENT	HOURS
Compressor	110015
Air Movers	<u></u>
Vacuum	20
Steam Rip	3
Pland Pluse	- <del> </del>
Reller	<u>-</u>
-Հ. շուն Նանս	·
J" Diesel Punn	<u> </u>
4" Electric Pump	
Citine	
Cheny Picker	<u>[</u>
Forklift	
Tue Bost	
Welding Machine	
Cutting Rig	
Work Harpe	
Flaul Out	
Truck	
I land Tools	

STOCK	
Coveralla	NUMBER
Hatteries	
Respirator Filters	<u>2</u>
Gloves	
Plashiphis	<del></del>
Gaskets -	· <del></del>
Gopples	
Doors	·
Kaincoati	
White Raps	
with 101/2	

المر

#### JOB WORKSCOPE/BREAKDOWN

\_\_ \_ \_ \_ \_ \_ \_ \_

Job Number: 3	2-5421	Date:	<del></del>	Invoice Numb	er: <u>3191</u>
Customer:	Basi=	_ Barge/MV:	E++ 11	2	
	Hours @ \$17.	.50/Hr =	Mileage:		/Mi =
Foreman:	Hours	(ST) @ \$ 38	3.00/Hour		
	Hours	(OT) @ \$ 53	3.25/Hour	•	
Leadman:	12 Hours	(ST) 0 \$ 35	5.00/Hour		420.00
 •	4 Hours	(OT) @ \$ 49	9.50/Hour		198.00
Journeyman:	23/2 Hours	(ST) @ \$ 32	2.50/Hour		763.75
-	Hours	(OT) @ \$ 45	5.75/Hour	<del></del> -	183.00
DISPOSAL: Slop Oil Water	Gallon: Gallon:		0.60/Gallon 0.35/Gallon		
WATER:	Gallon:	s 0°\$	5.00/1,000 Ga	llons	<u> </u>
MATERIAL:		Plus 25	è	=	
STOCK:	45.00	Plus 25	11.25	=	56.25
CHEMIST:	·	Plus 25	è	=	
EQUIPMENT: Compressor Air Movers Vacuum Hand Hose 2" Strip Pu 3" Gas Pump Hand Tools Weld Machine Cutting Rig Haul Out Forklift Tugboat Steam Rig Cherry Picke Crane Butterworth 4" Elec Pum Truck MATERIAL COST:	Hours Each Hours	e \$ 5.00/F e \$ 30.00/F e \$ 12.00/F e \$ 15.00/F e \$ 15.00/F e \$ 10.00 F e \$ 100.00/F	four four So four four four four four four four fou		<b>000347</b> • Ea.= _6.⊘o
Coveralls Respirator Flashlights Coggles Raincoats Lantern	2 @ 3.50 E 4 @ 6.00 E @12.00 E @ 4.00 E @40.00 E @13.00 E	a.= 74,00 a.= 7,00 a.= 7,00 a.= 7	Batteries Gloves/Rbr Gaskets Boots White Rags Cleaner	@ 3.00 @ 6.00 @12.00 @20.00	J Ea.= J Ea.= J Pr.= J/Box= D =
	_	// *	morat, INVIDICI	B213	32.00

DECLARATION OF INSPECTION PRIOR TO BULK CARGO TRANSFER

	on to both orac	O HOLIOTER	•	
VESSELS	ETT - 113	<del>-</del>		
TRANSFER FACILITY LOCATION	Herevies Ma	svine Sev	ر زو ن	
The following list refers to require on reverse). The spaces adjacent met.				
1. Communication System. 2. Warning Signs and red of the System Alignment of Transfer System Alignment of Transfer System: unused of Transfer Systems; fixed of Transfer Systems; fixed overboard Discharges/S. Hoses or Loading Arms of Hoses: length and support of Connections (156.130) of Transfer Containment of Transfer Systems; fixed overboard Discharges/S. Hoses or Loading Arms of Hoses: length and support of Connections (156.130) of Transfer Containment of Transfer Conferences (15. Boiler and Galley Fires of Transfer Conferences (15. Spill and Emergency Should	Warning Signals (35.3 .120 (d)) ent (156.120 (d)) components (156.120 (f)) ee Suction Valves (15 condition (156. (h) 15 rt (156.120 (b) (c)))  Systems (156.120 (f)) 6.120 (k)) 156.120 (n)) ion (35.35-30) Safety (35.35-30) 35.35-30) se) (156.120 (T)) 35.35-30) utdown procedures (156.120 (q))	5-30) (e)) (6.120 (g)) (6.170)	Deliverer LULULULULULULULULULULULULULULULULULULU	
I do certify that I have person requirements printed on rever- regulations have been complete.	erse and that opposite			
Person in Charge of Receiving	ng Unit	Title	Time and Da	<u>iie</u> <u>3</u> -7-97
Person in Charge of Deliver	ing Unit	Title	Time and Da	

#### HERCULES OFFSHORE CO. MYDICE NO. MARINE REPAIR MARINE OPERATION, /ACILITY CUSTOMER P.O. \_\_\_ ORDER No. \_\_\_\_\_ 3-5431 3-6-97 0800 Ŭ BASE D \*\*\*\*\*\* S A 0 E FREEPORT, TX M ----Ε \*\*\*\*\*\* ETT 112 R. PETERS LOA STOCK MATERIAL □ wo □ Y €\$ IF YES, COMPLETE STOCK MATERIAL TRANSPER TICKET LAST PROMUTT OUTSIDE SERVICES IF YES, LIST T YES GAS PREEING NO Y \$5 ( Y 8 # [] CERTIFICATE REQUIRED NO 🗍 Y Es 🔲 но 🗆 HAUL OUT FOR INSPECTION AND REPAIR DATE: ON WAYS DATE: ITEM NUMBERS STRIP AND BLOW DRY IN PREPARATION FOR LOADING ANOLON. ī

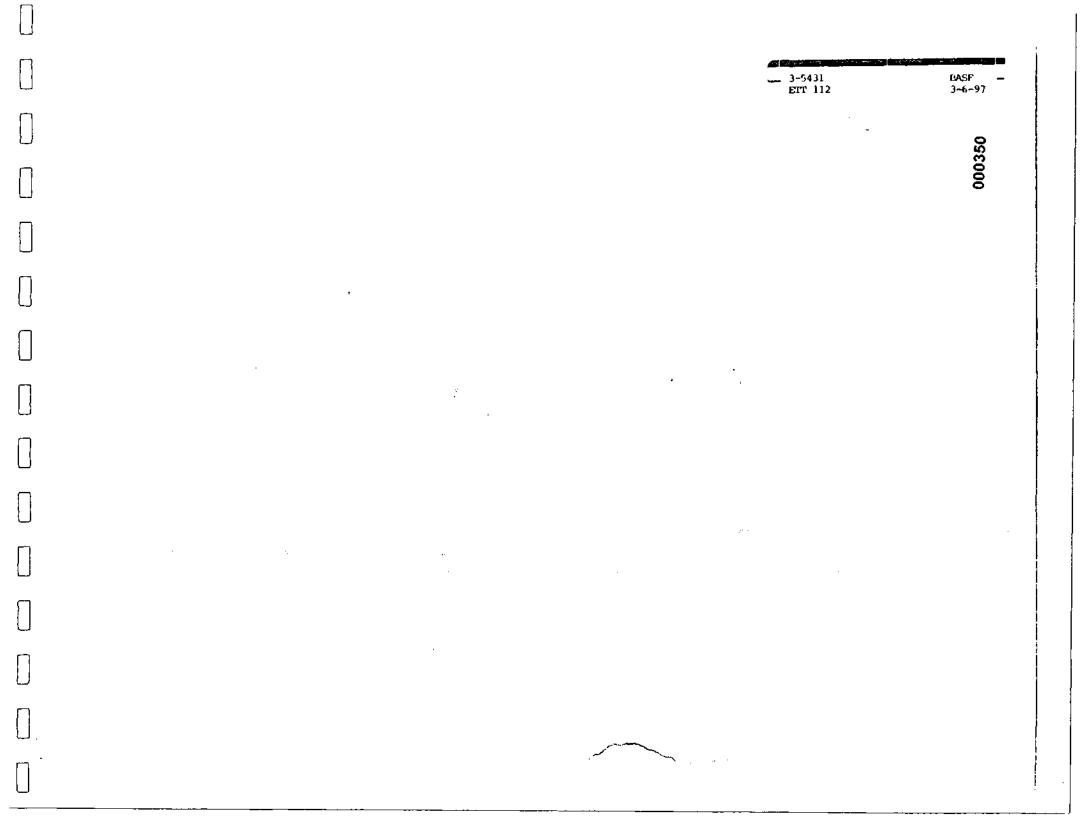
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Signed: ...

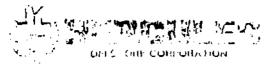
THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

\_ Date: \_\_

BASF 03/06/97



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* ************************************	SYOCK MATERIAL TYPE THOU
LAST Phonys?	
LANT PRODUCT	OUTSIDE SERVICES YES NO
GAS FREEING HO CERTIFICATE REQUIRED NO	
HAUL OUT FOR INSPECTION AND REPAIR YES NO	\ <u></u>
ON WAYS DATE:	
ON WAYS DATE:	] [
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THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED	



| Strongth through is perionder, equipment, xnaw-book |
P.O. Drawer 0 | Oracle: (n00) 233-6371 |
Croopers, Tokies 77541 | Fast (n00) 233-6375

#### PINAL CHECK LIST

MTE:	3-	6-	97	<u> </u>	
SARCE	: E	1+=1	1/2		

NUMBER CHROKED 2		REPLACED	CACKET	YES_	00	
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# DECLARATION OF INSPECTION

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The following list refers to inquirements set in revenue. The space, adjacent to items on the last men.	forth in detail in 33 CYTE the are provided to indicat	158.150 while 40 CP o that the docath	it 30.33-30 (printed d respublications has
		DKLÍVEGER	_ feconyrji .
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2. Warning flynu and red Warning Signal. (3)	S.38-30)	i	
n. Vessels Moorings. (15s.120 (a))			
C Transfer System Allganient (188,120 (d))			
2. There Erveam; mused components (186.1	20 (e))		
ik. Transfer Systems; fixed piping. (186.120 (f))	·		
7. Overtuard Discharges/See Suction Valves. (1	6d.120 (g)		
& Muse or Loading Arms condition (160.120 (b	) (158170)		
0. Heses; leagth and support (15d.120 (b) (c))	•		
10. Consumbane (184130)	•		
11. Dimininge Cont. Inment Systems (188-126 U)	(D)		
17. Scappers or Dreine. (1881):0 (k))			
the Harryman Musican (156.130 (a)	•		
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In. Builter and Oaller Firms Surjety. (38:36:30)		N A	N/A
ld. Flow or Open Flames (36,36-30)		N/A	N/A
17. Lighday (support to suprior). (10d.120 (t))			
10. Only Smalding Aparels (20.36-30)			
to. Split and Programy shuldows procedures.	(15&122 ( <sub>Q</sub> )		
20. Suznelani Auraonnal, (186.120 (e) (a))			
21. Transian Conference. (186.120 (q)).			
III. Agreement to begin transfer. (MA120 (r))			
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The following listed materials are considered to be herarde H. BUTANOL

The ephoyone assigned to work in this area have been informed of the huzurdown macerials in this stee, the hazards they present to the workers, the location

of Maxarda Mared, the protective equipment that has been provided and where it is located, and procedures to be fullowed in case of an accidental exposure. I have received the ergaining listed above and will so designate by signing this form.

BADOR عوويده 000354

	DAMES CLIAN!	THE REPORT . To the second second
	200 NO	ETA
	SURCE NO. E 1/2	
	CO TO BASE	DATE/THE ABRIVAL 3-6-97: 00.  DATE/THE STATEM 3-6-97: 9:-
	TRADUCT N. BUTANOL	DATE/TELL CONFLETES-6->>-2
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	ANOTHER STRIPPS CLEANING PROTECTION BY: Robert Potore	3) <u>300</u>
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	OVERTIMAL LUTHOR STID BY:	
i i	•	Dame Property Annual Control
	MARCE INSUNCERS BY: DUBY to	DATE (CLAP.
	DESTRUMENT OPENED: YES MENO CLOSED BY	NEW CACKET YES
	BELOW DECK CARGO PIPELINE: BLIND OPEN YES	
		YF!:
	DECK CHECK VALVE OPENED: YES N/A NO CI	OSEO BY NEW CASKES
	BECK HUADER BLINGS OPEN: Mes INSPOSED	DA CATES SCELL
	DECK HEADER BUILDE PLUC OPEN: YES 100 10 CLO	SED BY CASAS
	VARIOR RECOVERY WEADER OPENED: YES NO C	
	RUST SCALE: YES NO WASHED OUT NU	YE: go
1	NUMBER OF TARCY TANKS 3	
	COMPLETION OF CARCO VALVES GOD	*
,	SLOP TANK SPRIPPED: YES HIM NO	
	DRIP PARS LIKEPPED: YES NO	
1	WHATHER: TIMP 65 PAIN FOO HEALDITY	OVERCAST CLOUDY CLOUR
	PIP TIME WIGHTE MO PIPELINE BLOWN HES	
	BON BAR CHECKED: YES - NO	STERM RANK: YES - NO NO
	VOIDS: YES NO SAFETY EQUI	PHENT COMP:
ļ	SING TO TAME TAMES AND	· 古香新酒 13 老板客 医无波雷克氏及动物 178 以 11 代表 11 计 12 以 12 以 13 以 14
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Inchcape Caleb Brett	<b>Testing</b>	<b>Services</b>
Caleb Brett		\#0114

	V	ISUAL	TANK	INSPECT	<b>TION</b>	REPORT
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YOUR REFERENCE	
OUR REFERENCE	
' 	

FTT-112		PHODUCT/CARGO MTY		PORT / TERMINAL	Cheles	Da	03-06-9	7 7
Tank Number		10	20	30				
Tank Coating		SOFF STEEL	SOFT STEEL	SOFT Steel				
Last Cargo		BUTAMOZ		1				
Lecond Last Cargo	<del></del> -							
Third Last Cargo								
Time/Date Inspected		1410						
Visual Cleanliness Acce	pted/Rejected*	Accepted						
Reason for Rejection		,						
Method said to	TK# /C		4 Blows		·	The State of the s	September 1997	Continue of the second
have been used	TK# 2C	STRIPPED	+ Blown	-	<del> </del>	· · · · · · · · · · · · · · · · · · ·		a jarana siji
to clean tanks:	TK#	& HOTE &	A// TAN	t CLEANET	Al.	Sam 04		1. J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
	TK#	T NULL				_ (	·	
	TK#		4	. 1				

The cleanliness of inspected tank(s) is/are based on visual inspection of tank surfaces and line system at accessible areas only. This document does not cover the cleanliness of tank surfaces and line system at inaccessible spots and/or possible release of components of previous cargo surfaces during loading, discharge or transport of the cargo in question, for which the vessel is fully responsible. Suitability of tank coating for intended cargo must be guaranteed by vessel's owner or by suppliers of the coating.

Skiru for Nuculeo.

	Inchcape l'est Caleb Brett	ig Services
#	Caleb Brett	

FORM# (Jodana)

## TIME LOG

[	YOUR REFERENCE	
	OUR REFERENCE	

-17-1	1280	-//-/12	MIG	i	HERCUS	<u>es</u>	Z-06-1	<u> </u>
MONTH	DAY	HOUR	Ţ		EVI	ENT	<u> </u>	
93	06	1400	Inspecto	l Ala	CIVED FO	PR 111	sual	
		1410	STARTED	Lar	se In	SO. ETT	-112	<u> </u>
_		1420	FINISHED	E17-	-112 Zi	is pect	z mo.	
		1425	STARTED	Bas	se In	spects	in ETT-	115
		1435		Sar	SE 1/15	ual I	NSPERTO	- ETT-115
		1445	Park W	ock ?	mole	Ac.		
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For Vessel	(fine	a (N	endes		FORCE	VALES PAET	U.S.A., INC.	000357

HARCE NO. Ett= 113.	DATE/TIME ARRIVALU-23-87: /:-
CUSTOMER BASE	DATE/TIME STARTED 4-22-97-/3
PRODUCT N. BUTAHOL	DATE/TIME COMPLETED
· ·	
CLEANING INSTRUCTION BY: Robert Potors	<u></u>
COMPLETION SCHEDULE BY:	BY:
OVERTIME AUTHORIZED BY: Robert Peters	
BARGE INSPECTED BY: Chief Questo	
BARCE PELEASED TO: /Zacata Ala Ada	DATE /MTAP
DEEPWELL OPENED: YES VY NO CLOSED BY	DATE/ LINE:
BELOW DECK CARCO PIPELINE: BLIND OPEN YES	
DECK CHECK VALVE OPENED: YES N/4 NO CL	OSED BY NEW GASKET
DOOK WEIDED DY TYPE OPEN	YES NO
DECK HEADER BLINDS OPEN: YESNOCLOS	ED BY CASAS NEW CASKET YES 40
DECK HEADER DRAIN PLUC OPEN: YES NO CLO	SZD BY CASUS
VAPOR RECOVERY HEADER OPENED: YES NO C	LOSED BY 2402 NEW GASKET YES NO
RUST SCALE: YES NO WASHED OUT 300	OK 22Y
MUMBER OF CARGO TANKS 3	
1777 177 17 17 17 17 17 17 17 17 18 17 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18	
LL: LAK STRIPPED: YES M/A NO DEP	P PRESSURE TEST DATE:
DRIP PANS STRIPPED: YES 2 NO	
WEATHER: TEMP & O RAIN . FOG HUMIDITY	OVERCAST CLOUDY CLEAR
PIPELINE WASHED: NO PIPELINE BLOWN MES PI	
BOW RAKE CHECKED: YES NO	— <del>,                                     </del>
VOIDS: YES NO SAFETY EQUIP	PHENT USED:
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NOTICE	
barges cleaned for BASF will be inspected by e paperwork for the Hercules foreman in charge copies in the document mail box. One copy wi tain of the tugboat that is picking up the bar pection is completed and documentation is in t istics representative must be contacted.	e to sign. The forman will put ill stay in the mailbox, and the age will not be called until
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CALEB BRETT WILL BE GIVEN A COPY OF THIS FORM.

THE RELEASE PAPERS.

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## HYLYDDH COMMINICATION HAMMOND

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The proyum	e assigned to wor	k in this area	have been Inform	ed of the hazardou.
materials in	this area, the h	narurds they pr	event to the vor	kers, the location
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# HERCULES OFF& ORE CO.

INVOICE NO. \_

MARINE REPAIR	MARINE OF	RATIONS	FACILITY		
ORDER No4			(	CUSTOMER P.O.	<del></del>
	TerA .	( <u>~</u>	NAME	<u> </u>	
4-23-97	11:30 a.m.	C		_	
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ETI	113		SUZETUE		
		s	TOCK MATERIAL -	- TES	
FOREMAN		<del></del> -	F YES, COMPLETE STO	CK MATERIAL T	BANI
LAST PRODUCT			OUTSIDE SERVICES F YES, LIST	☐ YES	
	YE\$ □				
gas freeing no	CERTIFICATE REQUIRED NO				
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HAUL OUT FOR INSPECTION	3	_		<del></del>	
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ON WAYS	DATE:	_			
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SHALL SERVE AS YO	UR AUTHORIZATION TO	PROCEED WITH THE AR	OVE.	
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ea: <del>Ur out U</del>				

Suzette Johnson Office: 238-8409 602 Copper Road, FreeDort, Texas 77541 (409) 238-6100

# BASF

## BASF WEEKEND BARGE SCHEDULE

DATE 18-Apr-97	7 –	11:38 AM	
ETT 110: Empty (Clean) at W/F. Hold until	further notice.		
ETT 112: Headed (Koch 2) at W/E. Spot at	dook ofter the	ETT 114 has completed discharging (	CDI V. Borgo
ETT 112: Leaded (Koch 3) at W/F. Spot at		- · - · - · - · - · - · - · - · - · - ·	
will need to be gauged and sampled. Barge vidischarged. Take to W/F after discharge is considered.		·	
	omplete, as so	<del></del>	<del></del>
for deballasting Monday 0800.		* Priority 1 / #	Phonity 3
ETT 113: Empty (Cyclohexane) enroute to to Freeport.	Corpus to load	(Koch 4), via Brown Water VI. Hold al	t W/F upon return
ETT 114: Partially loaded (1,503.532 lbs. o	f CPLX) at B+1	Wall. Spot at West (Hexane) End of c	dock at 1730
today. Barge will need to be gauged and san			
being discharged. Take to W/F after discharged		<del>'</del>	
Hercules for deballasting, then to Stantran to			
completed discharging. Barge will need to be			
	1	# Priority 1 / *	<del></del>
ETT 115: 11 and at (Citan 2) area to 5 and	nast via-Brown	Concl. ETA Francest 1600 Seturday	Spot at dook
after the ETT 112 has completed discharging			
1200 Sunday. Barge will be ballasted while b		<del></del>	
as tide allows. Brown Canal will take to Herci	<del></del>	<del></del>	<del></del>
· · · · · · · · · · · · · · · · · · ·	Bles 0000 Mork		
(Phillips 5).		* Priority 3 / #	Priority 5
CCI 75: Discharging (All Oleum) at dock.	Take to W/F af	ter discharge is complete. Tug Javalir	ıa is
standing by.			# Priority 2
SCC 106: Loaded (All Acid) at W/F. Spot at	dock after the	SCC 104 has completed discharging.	Barge will
discharge 0730 Monday.			* Priority 5
SCC 80: Loading (All Oleum) at Rhone-Po	oulenc.		
SCC 108: Empty (All Acid) at W/F. Hold for	Tug Javalina.		
SCC 104: Loaded (All Oleum) at W/F. Spot	at dock after th	e CCI 75 has completed discharging.	Barge will
discharge 0730 Sunday. Take to W/F after di			
		* Priority 2 / #	Priority 4
* - Priority to dock			- <del>-</del>
# - Priority out to skimmer gate		1	
# - All priority barges taken to c		d oo to skimmer date as	
soon as possible after work is c		a go to attitition gate as	
•	v.ip.ioto.		
For any further information please contact:  Robert G. Peters Office: 238–6161			000362

## **BASF Corporation**

DATE

# BASF

## BASF BARGE SCHÉDÜLE

21-Apr-97

ETT 110: Empty (Clean) at W/F. Brown Water VI will take to Corpus to load (Citgo 3) on 04/24/97.
ETT 112: Empty (Cycloexane) at Hercules being repaired and deballasted. Brown Canal will take to
Corpus to load (Koch 5).
ETT 113: Loaded (Koch 4) enroute to Freeport, via Brown Water VI. ETA 2100. Spot at dock upon arrival.
Barge will need to be gauged and sampled. Barge will discharge 0730 Tuesday. * Priority 1
ETT 114: Partially loaded (1,503,532 lbs. of CPLX) at dock. Move to B-1 Wall and hold until further notice.
ETT 115: Empty (Cyclohexane) at Herculews being deballasted. Brown Canal will take to Phillips to load
(Phillips 5) at 1300 today. Hold at W/F.
CCI 75: Empty (All Oleum) enroute to Rhone-Poulenc.
SCC 106: Discharging (All Acid) at dock. Take to W/F afetr discharge is complete. Hold for Tug Javalina.
# Priority 1
SCC 80:  Loaded (All Oleum) at W/F. Spot at dock after the SCC 106 has completed discharging. Barge will
discharge 0730 Tuesday.
SCC 108: Loaded (All Acid) at W/F. Hold until further notice.
SCC 104; Empty (Alf Oleum) enroute to Rhone-Poulenc.
* - Priority to dock
* – Priority to dock # – Priority out to skimmer gate
* - Priority to dock
* - Priority to dock # - Priority out to skimmer gate # - All priority barges taken to dock should go to skimmer gate as

11:26 AM

**BASF Corporation** 



## BASF BARGE SCHEDULE

DATE 23-Apr-97 - 11:31 AM

ETT 110: Empty (Clean) at Rockport. Brown Water VI is having minor maintenance repairs. Will go to Corpus
04/25/97 to load (Citgo 3).
ETT 112: Empty (Cyclohexane) at Rockport for Crew change, via Brown Canal. Will go to Corpus to load (Koch 5) after crew change and return to Freeport.
ETT 113: Empty (Cyclohexane) at W/F. Brown Water IV will take to Hercules for a Strip and Blow Dry, then
return to W/F. Hold at W/F until further notice.
ETT 114: Loaded (2.8 M lbs. of CPLX) at B-1 Wall. Hold until further notice.
ETT 115: Discharging (Phillips 5) at dock. Take to W/F after discharge is complete on Low tide 2200
tonight. # Priority 1
CCI 75:  Loaded (All Oleum) at Rhone-Poulenc.
SCC 106: Empty (All Acid) at W/F. Hold for Tug Javalina:
SCC 80: Empty (All Oleum) at W/F. Hold for Tug Javalina.
SCC 108: Loaded (All Acid) at W/F. Spot at dock today. Barge will discharge 0730 Thursday. * Priority 1
SCC 104: Loaded (All Oleum) at Rhone-Poulenc.
* - Priority to dock # - Priority out to skimmer gate
# - All priority barges taken to dock should go to skimmer gate as
soon as possible after work is complete.
For any further information please contact:  Robert G. Peters Office: 238-6161
Suzette Johnson Office: 238–8409

## BASF WEEKEND BARGE SCHEDULE

DATE 25-Apr-97 - 04:21 PM

ETT 110: Loaded (Citgo 3) enroute to Freeport, via Brown Water VI. Spot at dock after the ETT 113 has
completed loading (Anolon). Barge will need to be gauged and sampled. Barge will discharge 0730 Sunday. Take
to W/F on Low tide 0100 Monday. Brown Water VI will take to Corpus to load (Citgo 4) on 04/29/97.
* Priority 3 / # Priority 5
ETT 112: Loaded (Koch 5) enroute. Spot at dock upon arrival. Crew will be standing by to discharge. Take to
W/F after discharge is complete. Brown Water VI will take to Corpus to load (Koch 6) on 04/28/97 # Priority 1
ETT 113: Empty at W/F Spot on B-1 Wall as soon as low tide will permit. Spot at dock after the ETT 112 has
completed discharge. Barge will need to be gauged and sampled. Will load (2.2 M lbs. of Anolon) 0730 Saturday.  Take to W/F as soon as discharge is complete and the tide permits. Brown Water IV will take to Stantran for
discharge at 0800 Sunday. Hold at W/F upon return to Freeport.  * Priority 1 / # Priority 3
ETT 114: Loaded (2.8 M lbs. of CPLX) at B-1 Wall. Hold until further notice.
ETT 115: Empty at W/F. Brown Canal to load at Phillips (Phillips 6). Spot at dock after the ETT 110 has
completed discharge Sunday. Barge will need to be gauged and sampled. Will discharge 0730 Monday.
* Priority 4
CCI 75: Discharging (All Oleum) at dock. Take to W/F after discharge is complete. Hold for Tug Javalina.
# Priority 2
SCC 106: Loading (All Acid) at Rhone-Poulenc. Upon return to Freeport, spot at dock after the SCC 104 has
completed discharging. Barge will discharge 0730 Monday. * Priority 5
SCC 80: Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.
SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.
SCC 104: Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge
0730 Saturday. Take to W/F after discharge is complete. Hold for Tug Javalina.
* Priority 2 / # Priority 4
* - Priority to dock
# - Priority out to skimmer gate
# - All priority barges taken to dock should go to skimmer gate as
soon as possible after work is complete.
For any further information please contact:  Robert G. Peters Office: 238–6161
Suzette Johnson Office: 238–8409

#### **BASF Corporation**

DATE

# BASF

### BASF BARGE SCHEDULE

28-Apr-97

Empty (Cyclohexane) enroute to Corpus to load (Koch 6), via Brown Canal. ETA Corpus 0600 Tuesday. Barge dock will not be available until 1600 Tuesday. Barge will load at this time and return to Freeport. ETT 112: Empty (Cyclohexane) at Hercules being repaired. ETT 113: Empty (Anolon) enroute to Freeport, via Brown Water IV. Barge will go to Hercules for Hot Chemical Wash. ETT 114: Loaded (2.8 M lbs. of CPLX) at B-1 Wall. Spot at dock after the ETT 115 has completed discharging **Priority** Barge will need to be gauged and sampled. Will partially discharge 0730 Tuesday. ETT 115: Discharging (Phillips 6) at dock. Take to W/F after discharge is complete on Low tide 0200 Tuesday. # Priority Brown Water VI will take to Phillips to load (Phillips 4). CCI 75: Empty (All Oleum) at W/F. Hold for Tug Javalina. SCC 106: Discharging (All Acid) at dock. Take to W/F after discharge is complete. Hold for Tug Javalina. # Priority 2 SCC 80: Loaded (All Oleum) at W/F. Spot at dock after the SCC 106 has completed discharging. Barge \* Priority 2 will discharge 0730 Tuesday. SCC 108: | Empty (All Acid) at W/F. Hold for Tug Javalina. SCC 104: Empty (All Oleum) at W/F. Hold for Tug Javalina. \* - Priority to dock # - Priority out to skimmer gate # - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete. For any further information please contact: Robert G. Peters Office: 238-6161 Suzette Johnson Office: 238-8409

11:36 AM

#### **BASF Corporation**

## BASF

## BASF BARGE SCHEDULE

DATE 06-Mar-97 - 09:49 AM

ETT 110: Empty (CPLX) at Hercules for USCG Mid-Term and internal structural exam.
ETT 112: Empty at Hercules being stripped and blown dry in preparation for loading Anolon.
ETT 113: Empty (Cyclohexane) enroute to Corpus to load (Koch 2), via Brown Water VII.
ETT 114: Empty (Cyclohexane) at Hercules for minor repairs.
ETT 115: At Hercules for USCG COI.
CCI 75: Empty (All Oleum) enroute to Rhone-Poulenc.
SCC 106: Loaded (All Acid) at W/F. Hold at W/F until further notice.
SCC 80: Empty (All Oleum) at Rhone-Poulenc.
SCC 108: Empty (All Acid) at Rhone-Poulenc.
SCC 104: Loaded (All Oleum) at W/F. Hold at W/F until further notice.
* - Priority to dock
# - Priority out to skimmer gate
# - All priority barges taken to dock should go to skimmer gate as
soon as possible after work is complete.
For any further information please contact:  Robert G. Peters Office: 238-6161
Suzette Johnson Office: 238–8409

P. O. BOX V - FREEPORT, TX 77542 FAX (409) 299-6655 MARINE CHEMIST CERTIFICATE

## SERIAL NO. G 78952

プロル	HEACULES Vessel Owner or Agent	7 MAR 97
Survey Requested by	Vessel Owner or Agent TANK BARGE	Cale
Vecasi	Type of Vergel	HERCULES Specific Location of Vessel
CYCLOHEXANE Last Three (3) Cargoss	LEL-U-PID-VISUAL Tests Performed	<u>07.130</u> Time Survey Completed
CARGO TANKS No 1 2 43	. /	
WING TANKS NO 12,3 94	T-PORT SAFE FOI	3 WORKERS
₹ 579R80G	RD SAFE FOR	HOTWORK
BOW RAKE		
STERN BOX	)	
	- 4. 0	
ATMOSPHERIC	TEST 20,8% C,	
	O% LEL.	· · · · · · · · · · · · · · · · · · ·
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3-5430		·····
3-5430		
$v_{S^{(r)}} \ll 4n$ the event of any physical or atmospheric changes a		
of the above spaces, or if in any doubt, immediately s QUALIFICATIONS: Movement of vessels from original loc	<u> </u>	
alter conditions in pipe lines, tanks or compartments su inspection and endorsement or reissue of Certificate for	bject to gas accumulation, unless specifically at the spaces so affected. All lines, vents, heating o	pproved in this Certificate, requires
appurtenances shall be considered "not safe" unless oth STANDARD SAFETY DESIGNATIONS (perial ks), persphrased from h	NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6	
<u>SAFE FOR WORKERS</u> : Means that in the compartment or space so design in the almosphere are within permissible concentrations; and that, (c) the tas directed on the Manne Chemist's Certificate.	nated: [a] the oxygen coment of the atmosphere is at least 19.5; residues are not capable of producing toxic materials under exis	percent by volume; and that, (b) toxic materials sting atmospheric conditions while maintained
NOT SAFE FOR WORKERS, Means that in the compartment or space		
ENTER WITH RESTRICTIONS: Means that in any compartment or spac- time are as specified.		
SAFE FOR HOT WORK: Means that in the compartment so designated: or where external hot work is to be performed; and that, (b) the concent (c) the residues are not capable of producing a higher concentration than directed on the Marine Chemist's Certificate; and further, that, [c] aid.	tration of flammable materials in the atmosphere is below 10 ( permitted by (b) above under existing atmospheric conditions i adjacent spaces containing or having contained flammable of	percent of the lower flammable fimit, and that, nithe presence of the, and while maintained as or combustible materials have been cleaned.
sufficiently to prevent the spread of fire, or are satisfactority mened, or, in the Marine Chamist's requirements		
NOT SAFE FOR HOT WORK: Means that in the compartment so design SAFE FOR REPAIR YARD ENTRY: Means that the compartments and the compartments are compartments.		
compliance electronic and require endicate the atmosphere tested in the abo	spaces of the flammable cryogenic liquid carrier so designate	a fall more construction of administration
CHEMIST'S ENDORSEMENT. This is to certify that I have personally d	ive 19.5 percent oxygen, and less than 10 percent of the lowe letermined that all spaces in the foregoing list are in accordan	r flammable limit, or (b) are intered
CHEMIST'S ENDORSEMENT. This is to certify that I have personally of Vessels and have found the condition of each to be in accordance with the condition of each to be in accordance with the conditions and endorse received of this Certificate under Section 2.6 of NFPA understands conditions and engaged endorse which it was a stated."	ove 19,5 percent oxygen, and less than 10 percent of the lowe letermined that all spaces in the foregoing list are in accordan lits assigned designation.	er flammable limit, or (b) are intened ice with NFPA 306 Control of Gas Hazards on he time the inspection heren set form was completed and is

20M-2-88

BASF Corpore	ation a

## **BASF**

#### BASF BARGE SCHEDULE FOR HERCULES

March 06, 1997

ETT 114 - Contact McGill, they were suppose to build a mount replacement for the pump to sit on. Weld to new mount so that the pump will sit even. Check, entire barge for any other repairs (large or small) that may be needed.

Mailbox, motor cover, give the barge a thorough going over.

3-5430

ETT 112 - Strip and blow dry in preparation for loading Anolon.

				\\ \\ \\ \\ \\ \	SCHEDULED PICK	UP DATE	SCHEDULED PICKUP		TCH NUMBER
<b>∬</b> .	3108 Central Dr. • Plan. , FL (813) 754-4725	. 33567			3/1/ SCHEDULED DEL	ERY DATE	SCHEDULED DELIVE	RY TIME 7	1740
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IPPER:		PICI	KUP POINT		<del></del> 7	- <del>-</del>			
WSIGNEE.	<u> </u>	DEL	T MIOR YREVIL	oet,	TC+45		2199 CONSIGNEE NUMB	913 ER	
Linecules			Feeron	21 70	 				
PICKUP TIMES	WEIGHTS	CMP. C	HAZ	E ,	<del></del>	COMMOD	NTY DESCRIPTION		
TUAL PICKUP DATE	GROSS WEIGHT		(0)	1	<del></del>			<del></del> -	
3/2/97	74560	1	- 1x	RO	Cudobles	CA MOA	2 mixtu	_	
	MARE WEIGHT	2		1				<del></del>	<del></del>
8.05 PM	NET WEIGHT			1-3-4	4N 1915	rg II	<del></del>		<del></del>
10.30 PM	เป็นสอก	3		}					
-	TRAILER #	4			· <del>-</del>	_	-,··- <u>-</u> -	•	··
OTAL TIME LOADING	5K-722			<u> </u>			<del></del>		
PACTOR!	IN CASE OF:	5	-						
	LEAK, SPILL, FIRE, OR OTHER	Consigne	<del> </del>	UN	LOADING A	UTHORE	ZATION		
TIVER\$ -846	EMERGENCY	The sh	ipper of the produc		•		following procedure to i	-	•
_5K-1/31	CALL TOLL FREE	attached	to the tank valve.	Please instru	the driver to hook th	e hase to the	proper outlet valve on was followed. We ask y	the tank and the p	roper inlet valve
DELIVERY TIMES			oaded. The driver				followed. We thank you		
CTUAL DATE DELIVERY	CHEMTREC	have	checked the docu				at the hose is connect to receive product at a		
	1-800-424-9300	storage ta	acility has enough	room to hold t	ne amount designated	on the bill of to	aing.	rate of 150 gallon	s per minute and
317197		(# tank	is single com	partment p	lease sign Compa	arment #1	<u>).</u>		
13:30 PMT	MONTGOMERY	Compa	artment #1	COMSIG	NEE SIGNATURE	≥ Compa	artment #4	CONSIGNÉE SIGN	ATURE
	TANK LINES	Compa	artment #2		<u> </u>	Compa	artment #5	,	
FINISH UNLOADING SM	Y	Como	artment #3	CONSIG	NEE SIGNATURE			CONSIGNEE SIGN	IATURE
PM TOTAL TIME UNLOADING	24 Hour		a/(//terk #3	CONSIGI	NEE SIGNATURE	_ 		-, <u></u> -	
TOTAL TIME DIRECTORIS	FMEDOENOV		gnee & MTL						
TRACTOR #1	EMERGENCY RESPONSE		-			_	contents consig and all product		
<u>5-846</u>	Phone Number		ed in good o			_		-	
DAIVER # - 1	Filone Rumber					Vil	and	ويجريهم و	
IS THERE DEMURRAGE ON	1-800-759-8265					7	CONSIGNEE		
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DEMURRAGE FORM	AN THE DEDECOMANS		- IDEALENT	( . 0)(5)		<u></u>	·		
Lote Biology Chi	ON - TIME PERFORMANC			·			OTHER SERVICES TO BE BILLED  (>) IF USED		
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Explanation:  Late Delivery: Shi	oper Error Dispat	ch Érror	Fa	uioment Fr	ror 5	rivar Erma	Pump undopo	V	
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EXPLANATION:	Date: /	. 1	Tractor #_	:	Trailer #	<del></del>		: . 	
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Special lastrictions								s No 🗆	
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